



October 4, 2018

Mr. Guy Carynski
Environmental Coordinator
Rockford School District
1907 Kishwaukee Street
Rockford, IL 61104

**RE: Pre-demolition Asbestos Inspection Report
Cherry Valley Elementary School – 619 East State Street, Cherry Valley, IL 61016
Carnow Conibear Project No.: A139670123**

Dear Mr. Carynski,

Please find the attached summary and results of the pre-demolition asbestos inspection performed by Carnow, Conibear & Assoc., Ltd. (Carnow Conibear) at the above referenced property. The inspection and sampling was performed to determine the presence of asbestos-containing building materials prior to demolition. The surveys and sampling were conducted August 2, 2018, September 20, 2018, and October 1, 2018. Sampling was conducted by Carnow Conibear representative Mr. Evan Christian, licensed by the Illinois Department of Public Health (IDPH) as an Asbestos Building Inspector.

CEI Labs (CEI) performed all related asbestos sample analysis. Analysis was completed by Polarized Light Microscopy (PLM) at 400x magnification. PLM is the EPA recommended laboratory method for the identification of asbestos in bulk building materials. CEI is accredited for asbestos bulk sample analysis by PLM through NIST's National Voluntary Laboratory Accreditation Program (NVLAP).

The results of the sampling are presented in the following tables.

**Table I
Asbestos Sample Results
Rockford Public Schools – Cherry Valley Elementary School
619 East State Street, Cherry Valley, IL 61016**

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC080218-01 thru 03	Gray/Black Roof Sealant	Roof	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-04 thru 06	9"x9" Floor Tiles – Tan with Dark Brown	Various Classrooms, Hallways	10% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-07 thru 09	Black Mastic beneath 9"x9" Floor Tiles – Tan with Dark Brown	Various Classrooms, Hallways	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – Cherry Valley Elementary School
619 East State Street, Cherry Valley, IL 61016

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC080218-10 thru 12	1'x1' Ceiling Tiles – Fissured	Various Classrooms, Hallways	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-13 thru 15	Brown Glue Pucks associated with 1'x1' Ceiling Tiles – Fissured	Various Classrooms, Hallways	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-16 thru 18	9"x9" Floor Tiles – Green	Various Classrooms	10% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-19 thru 21	Black Mastic beneath 9"x9" Floor Tiles – Green	Various Classrooms	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-22 thru 24	Laminate on Univents	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-25 thru 27	9"x9" Floor Tiles – Gray with White	201, 203 under carpet	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-28 thru 30	Black Mastic beneath 9"x9" Floor Tiles – Gray with White	201, 203 under carpet	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-31 thru 33	Tan Carpet Glue	203, 205	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-34 thru 36	Drywall	Various Locations	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-37 thru 39	Drywall Joint Compound/Skimcoat	Various Locations	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-42 thru 44	2'x4' Ceiling Tiles – Mixed Holes	Various Classrooms	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-45 thru 47	9"x9" Floor Tiles – White with Black	Central Stairwell	Asbestos Not Detected	Removal/Abatement prior to Demolition (Associated Mastic Contains Asbestos)
EC080218-48 thru 50	Black Mastic beneath 9"x9" Floor Tiles – White with Black	Central Stairwell	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-51 thru 53	2'x4' Ceiling Tiles – Mixed Holes	Central Stairwell	Asbestos Not Detected	No Action Required prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – Cherry Valley Elementary School
619 East State Street, Cherry Valley, IL 61016

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC080218-54 thru 58	Hard Coat Plaster	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-59 thru 61	Aircell Pipe Insulation	Kitchen, Stage Area, Boiler Room, Basement Storage, Basement Office	65% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-62 thru 64	Boiler Insulation	Boiler Room	10% Chrysotile, 2% Amosite, 5% Crocidolite Asbestos	Removal/Abatement prior to Demolition
EC080218-65 thru 67	Boiler Duct Insulation	Boiler Room	60% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-68 thru 70	Boiler Breeching Insulation	Boiler Room	65% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-71 thru 73	Pipe Joint Insulation on Fiberglass Insulated Pipes	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-74 thru 76	9"x9" Floor Tiles – Black and Red	Stage	10% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-77 thru 79	Black Mastic beneath 9"x9" Floor Tiles – Black and Red	Stage	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-80 thru 82	Interior Window Glazing	Windows Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-83 thru 85	Gray Sink Undercoating	Room 103	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-86 thru 88	Gray Linoleum Flooring	Nurse's Office	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-89 thru 91	2'x2' Ceiling Tiles – Rough Textured	Main Office, Nurse's Office	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-92 thru 94	White Sink Undercoating	Nurse's Office	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-98 thru 100	White Linoleum Flooring	Main Office	Asbestos Not Detected	No Action Required prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – Cherry Valley Elementary School
619 East State Street, Cherry Valley, IL 61016

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC080218-101 thru 103	Brown Interior Window Caulk	Windows Throughout	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-104 thru 106	Tan Interior Door Caulk	Doors to Exterior Throughout	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-107 thru 109	Gray Exterior Window Caulk	Windows Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-110 thru 112	Exterior Door Caulk	Doors to Exterior Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-113 thru 115	Exterior Cement Plaster	Exterior Overhangs	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-116 thru 118	Smooth Cementitious Window Panels	Building Exterior	15% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-119 thru 121	Corrugated Cementitious Window Panels	Building Exterior	10% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC080218-122 thru 124	Generator Exhaust Insulation	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC080218-125 thru 127	Boiler Gaskets	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC092118-01 thru 03	Roof Field	Main Building	Asbestos Not Detected	No Action Required prior to Demolition
EC092118-04 thru 06	Gymnasium Roof Field	Gymnasium	Asbestos Not Detected	No Action Required prior to Demolition
EC100118-01 thru 03	Black Chalkboard Adhesive	Various Areas Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC100118-04 thru 06	Tan Chalkboard Adhesive	Various Areas Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC100118-07 thru 09	Pressboard behind Chalkboards	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition

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Asbestos Sample Results
Rockford Public Schools – Cherry Valley Elementary School
619 East State Street, Cherry Valley, IL 61016

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC100118-10 thru 12	Pressboard Ceiling	Gymnasium	Asbestos Not Detected	No Action Required prior to Demolition
EC100118-13 thru 15	Plaster on I-Beams	Gymnasium	Asbestos Not Detected	No Action Required prior to Demolition

Based on the results of the inspections and sampling Carnow Conibear recommends the following prior to demolition at Cherry Valley Elementary School located at 619 East State Street, Cherry Valley, Illinois 61016.

- **Asbestos Abatement** - Removal and disposal of all identified asbestos containing materials per applicable EPA and OSHA asbestos regulations. Abatement by Illinois Licensed Asbestos Abatement Contractor.

See Attachment A for laboratory reports and sample chain of custody documentation and Attachment B for Inspector License and Current Accreditation.

Please feel free to contact me directly at 312.762.2925 or echristian@caltld.com should you have any questions or require any additional information.

Sincerely,

CARNOW, CONIBEAR & ASSOC., LTD.



Evan Christian
Senior Project Manager
Licensed Asbestos Inspector

ATTACHMENT A

August 20, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: RPS PreDemo - Cherry Valley
CEI LAB CODE: A189016

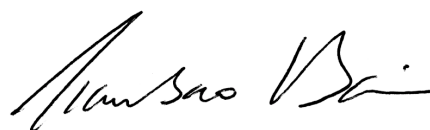
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 16, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: RPS PreDemo - Cherry Valley

LAB CODE: A189016

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 08/20/18

TOTAL SAMPLES ANALYZED: 122

SAMPLES >1% ASBESTOS: 51

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS PreDemo - Cherry Valley

LAB CODE: A189016

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC080218-01		A79021	Gray,Black	Roof Sealant	None Detected
EC080218-02		A79022	Gray,Black	Roof Sealant	None Detected
EC080218-03		A79023	Gray,Black	Roof Sealant	None Detected
EC080218-04		A79024	Tan,Brown	Floor Tile	Chrysotile 10%
EC080218-05		A79025	Tan,Brown	Floor Tile	Chrysotile 10%
EC080218-06		A79026	Tan,Brown	Floor Tile	Chrysotile 10%
EC080218-07		A79027	Black	Mastic	Chrysotile 5%
EC080218-08		A79028	Black	Mastic	Chrysotile 5%
EC080218-09		A79029	Black	Mastic	Chrysotile 5%
EC080218-10		A79030	Gray	Ceiling Tile	None Detected
EC080218-11		A79031	Gray	Ceiling Tile	None Detected
EC080218-12		A79032	Gray	Ceiling Tile	None Detected
EC080218-13		A79033	Brown	Glue Pucks	None Detected
EC080218-14		A79034	Brown	Glue Pucks	None Detected
EC080218-15		A79035	Brown	Glue Pucks	None Detected
EC080218-16		A79036	Green	Floor Tile	Chrysotile 10%
EC080218-17		A79037	Green	Floor Tile	Chrysotile 10%
EC080218-18		A79038	Green	Floor Tile	Chrysotile 10%
EC080218-19		A79039	Black	Mastic	Chrysotile 5%
EC080218-20		A79040	Black	Mastic	Chrysotile 5%
EC080218-21		A79041	Black	Mastic	Chrysotile 5%
EC080218-22		A79042	Brown	Linoleum	None Detected
EC080218-23		A79043	Brown	Linoleum	None Detected
EC080218-24		A79044	Brown	Linoleum	None Detected
EC080218-25		A79045	Tan	Floor Tile	Chrysotile 5%
EC080218-26		A79046	Tan	Floor Tile	Chrysotile 5%
EC080218-27		A79047	Tan	Floor Tile	Chrysotile 5%
EC080218-28		A79048	Black	Mastic	Chrysotile 5%
EC080218-29		A79049	Black	Mastic	Chrysotile 5%
EC080218-30		A79050	Black	Mastic	Chrysotile 5%
EC080218-31		A79051	Yellow	Carpet Glue	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS PreDemo - Cherry Valley

LAB CODE: A189016

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC080218-32		A79052	Yellow	Carpet Glue	None Detected
EC080218-33		A79053	Yellow	Carpet Glue	None Detected
EC080218-34		A79054	White	Drywall	None Detected
EC080218-35		A79055	White	Drywall	None Detected
EC080218-36		A79056	White	Drywall	None Detected
EC080218-37		A79057	White	Drywall Joint Compound Skim Coat	None Detected
EC080218-38		A79058	White	Drywall Joint Compound Skim Coat	None Detected
EC080218-39		A79059	White	Drywall Joint Compound Skim Coat	None Detected
EC080218-42		A79060	Off-white	Ceiling Tile	None Detected
EC080218-43		A79061	Off-white	Ceiling Tile	None Detected
EC080218-44		A79062	Off-white	Ceiling Tile	None Detected
EC080218-45		A79063	White,Black	Floor Tile	None Detected
EC080218-46		A79064	White,Black	Floor Tile	None Detected
EC080218-47		A79065	White,Black	Floor Tile	None Detected
EC080218-48		A79066	Black	Mastic	Chrysotile 2%
EC080218-49		A79067	Black	Mastic	Chrysotile 2%
EC080218-50		A79068	Black	Mastic	Chrysotile 2%
EC080218-51		A79069	Brown	Ceiling Tile	None Detected
EC080218-52		A79070	Brown	Ceiling Tile	None Detected
EC080218-53		A79071	Brown	Ceiling Tile	None Detected
EC080218-54		A79072	Gray	Hard Coat Plaster	None Detected
EC080218-55		A79073	Gray	Hard Coat Plaster	None Detected
EC080218-56		A79074	Gray	Hard Coat Plaster	None Detected
EC080218-57		A79075	Gray	Hard Coat Plaster	None Detected
EC080218-58		A79076	Gray	Hard Coat Plaster	None Detected
EC080218-59		A79077	Gray	Aircell Pipe Insulation	Chrysotile 65%
EC080218-60		A79078	Gray	Aircell Pipe Insulation	Chrysotile 65%
EC080218-61		A79079	Gray	Aircell Pipe Insulation	Chrysotile 65%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS PreDemo - Cherry Valley

LAB CODE: A189016

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC080218-62		A79080	Gray	Boiler Insulation	Chrysotile 10% Amosite 2% Crocidolite 5%
EC080218-63		A79081	Gray	Boiler Insulation	Chrysotile 10% Amosite 2% Crocidolite 5%
EC080218-64		A79082	Gray	Boiler Insulation	Chrysotile 10% Amosite 2% Crocidolite 5%
EC080218-65		A79083	Gray	Boiler Duct Insulation	Chrysotile 15%
EC080218-66		A79084	Gray	Boiler Duct Insulation	Chrysotile 60%
EC080218-67		A79085	Gray	Boiler Duct Insulation	Chrysotile 60%
EC080218-68		A79086	Gray	Boiler Breaching Insulation	Chrysotile 65%
EC080218-69		A79087	Gray	Boiler Breaching Insulation	Chrysotile 65%
EC080218-70		A79088	Gray	Boiler Breaching Insulation	Chrysotile 65%
EC080218-71		A79089	Gray	Hard Elbows On Fiberglass Pipe Insulation	None Detected
EC080218-72		A79090	Gray	Hard Elbows On Fiberglass Pipe Insulation	None Detected
EC080218-73		A79091	Gray	Hard Elbows On Fiberglass Pipe Insulation	None Detected
EC080218-74		A79092	Black,Red	Floor Tile	Chrysotile 10%
EC080218-75		A79093	Black,Red	Floor Tile	Chrysotile 10%
EC080218-76		A79094	Black,Red	Floor Tile	Chrysotile 10%
EC080218-77		A79095	Black	Mastic	Chrysotile 5%
EC080218-78		A79096	Black	Mastic	Chrysotile 5%
EC080218-79		A79097	Black	Mastic	Chrysotile 5%
EC080218-80		A79098	Gray	Window Glazing	None Detected
EC080218-81		A79099	Gray	Window Glazing	None Detected
EC080218-82		A79100	Gray	Window Glazing	None Detected
EC080218-83		A79101	Gray	Sink Undercoating	None Detected
EC080218-84		A79102	Gray	Sink Undercoating	None Detected
EC080218-85		A79103	Gray	Sink Undercoating	None Detected
EC080218-86		A79104	Gray	Linoleum	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS PreDemo - Cherry Valley

LAB CODE: A189016

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC080218-87		A79105	Gray	Linoleum	None Detected
EC080218-88		A79106	Gray	Linoleum	None Detected
EC080218-89		A79107	Off-white	Ceiling Tile	None Detected
EC080218-90		A79108	Off-white	Ceiling Tile	None Detected
EC080218-91		A79109	Off-white	Ceiling Tile	None Detected
EC080218-92		A79110	White	Sink Undercoating	None Detected
EC080218-93		A79111	White	Sink Undercoating	None Detected
EC080218-94		A79112	White	Sink Undercoating	None Detected
EC080218-98	Layer 1	A79113	White	Linoleum	None Detected
	Layer 2	A79113	Yellow	Mastic	None Detected
EC080218-99	Layer 1	A79114	White	Linoleum	None Detected
	Layer 2	A79114	Yellow	Mastic	None Detected
EC080218-100	Layer 1	A79115	White	Linoleum	None Detected
	Layer 2	A79115	Yellow	Mastic	None Detected
EC080218-101		A79116	Brown	Window Caulk	Chrysotile 2%
EC080218-102		A79117	Brown	Window Caulk	Chrysotile 2%
EC080218-103		A79118	Brown	Window Caulk	Chrysotile 2%
EC080218-104		A79119	Tan	Door Caulk	Chrysotile 2%
EC080218-105		A79120	Tan	Door Caulk	Chrysotile 2%
EC080218-106		A79121	Tan	Door Caulk	Chrysotile 2%
EC080218-107		A79122	Gray	Window Caulk	None Detected
EC080218-108		A79123	Gray	Window Caulk	None Detected
EC080218-109		A79124	Gray	Window Caulk	None Detected
EC080218-110		A79125	White	Door Caulk	None Detected
EC080218-111		A79126	White	Door Caulk	None Detected
EC080218-112		A79127	White	Door Caulk	None Detected
EC080218-113		A79128	White	Exterior Cement Plaster	None Detected
EC080218-114		A79129	White	Exterior Cement Plaster	None Detected
EC080218-115		A79130	White	Exterior Cement Plaster	None Detected
EC080218-116		A79131	Gray	Cementitious Panels	Chrysotile 15%
EC080218-117		A79132	Gray	Cementitious Panels	Chrysotile 15%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS PreDemo - Cherry Valley

LAB CODE: A189016

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC080218-118		A79133	Gray	Cementitious Panels	Chrysotile 15%
EC080218-119		A79134	Gray	Corrugated Cementitious Panel	Chrysotile 10%
EC080218-120		A79135	Gray	Corrugated Cementitious Panel	Chrysotile 10%
EC080218-121		A79136	Gray	Corrugated Cementitious Panel	Chrysotile 10%
EC080218-122		A79137	Gray	Insulation	None Detected
EC080218-123		A79138	Gray	Insulation	None Detected
EC080218-124		A79139	Gray	Insulation	None Detected
EC080218-125		A79140	White	Boiler Gaskets	None Detected
EC080218-126		A79141	White	Boiler Gaskets	None Detected
EC080218-127		A79142	White	Boiler Gaskets	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A189016
Date Received: 08-16-18
Date Analyzed: 08-18-18
Date Reported: 08-20-18

Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC080218-01 A79021	Roof Sealant	Heterogeneous Gray,Black Non-fibrous Bound		100% Binder	None Detected
EC080218-02 A79022	Roof Sealant	Heterogeneous Gray,Black Non-fibrous Bound		100% Binder	None Detected
EC080218-03 A79023	Roof Sealant	Heterogeneous Gray,Black Non-fibrous Bound		100% Binder	None Detected
EC080218-04 A79024	Floor Tile	Heterogeneous Tan,Brown Fibrous Tightly Bound	60% 30%	Vinyl Calc Carb	10% Chrysotile
EC080218-05 A79025	Floor Tile	Heterogeneous Tan,Brown Fibrous Tightly Bound	60% 30%	Vinyl Calc Carb	10% Chrysotile
EC080218-06 A79026	Floor Tile	Heterogeneous Tan,Brown Fibrous Tightly Bound	60% 30%	Vinyl Calc Carb	10% Chrysotile
EC080218-07 A79027	Mastic	Heterogeneous Black Fibrous Bound	95%	Mastic	5% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A189016
Date Received: 08-16-18
Date Analyzed: 08-18-18
Date Reported: 08-20-18

Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-08 A79028	Mastic	Heterogeneous Black Fibrous Bound			95%	Mastic	5% Chrysotile
EC080218-09 A79029	Mastic	Heterogeneous Black Fibrous Bound			95%	Mastic	5% Chrysotile
EC080218-10 A79030	Ceiling Tile	Heterogeneous Gray Fibrous Loosely Bound	97%	Fiberglass	3%	Paint	None Detected
EC080218-11 A79031	Ceiling Tile	Heterogeneous Gray Fibrous Loosely Bound	97%	Fiberglass	3%	Paint	None Detected
EC080218-12 A79032	Ceiling Tile	Heterogeneous Gray Fibrous Loosely Bound	97%	Fiberglass	3%	Paint	None Detected
EC080218-13 A79033	Glue Pucks	Heterogeneous Brown Fibrous Bound	2%	Fiberglass	98%	Mastic	None Detected
EC080218-14 A79034	Glue Pucks	Heterogeneous Brown Fibrous Bound	2%	Fiberglass	98%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A189016
Date Received: 08-16-18
Date Analyzed: 08-18-18
Date Reported: 08-20-18

Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-15 A79035	Glue Pucks	Heterogeneous Brown Fibrous Bound	2%	Fiberglass	98%	Mastic	None Detected
EC080218-16 A79036	Floor Tile	Heterogeneous Green Fibrous Tightly Bound			60%	Vinyl 30% Calc Carb	10% Chrysotile
EC080218-17 A79037	Floor Tile	Heterogeneous Green Fibrous Tightly Bound			60%	Vinyl 30% Calc Carb	10% Chrysotile
EC080218-18 A79038	Floor Tile	Heterogeneous Green Fibrous Tightly Bound			60%	Vinyl 30% Calc Carb	10% Chrysotile
EC080218-19 A79039	Mastic	Heterogeneous Black Fibrous Bound			95%	Mastic	5% Chrysotile
EC080218-20 A79040	Mastic	Heterogeneous Black Fibrous Bound			95%	Mastic	5% Chrysotile
EC080218-21 A79041	Mastic	Heterogeneous Black Fibrous Bound			95%	Mastic	5% Chrysotile

Date Reported: 08-20-18

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A189016
Date Received: 08-16-18
Date Analyzed: 08-18-18
Date Reported: 08-20-18

Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-29 A79049	Mastic	Heterogeneous Black Fibrous Bound			95%	Mastic	5% Chrysotile
EC080218-30 A79050	Mastic	Heterogeneous Black Fibrous Bound			95%	Mastic	5% Chrysotile
EC080218-31 A79051	Carpet Glue	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
EC080218-32 A79052	Carpet Glue	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
EC080218-33 A79053	Carpet Glue	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
EC080218-34 A79054	Drywall	Heterogeneous White Fibrous Bound	15% 3%	Cellulose Fiberglass	82%	Gypsum	None Detected
EC080218-35 A79055	Drywall	Heterogeneous White Fibrous Bound	15% 3%	Cellulose Fiberglass	82%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A189016
Date Received: 08-16-18
Date Analyzed: 08-18-18
Date Reported: 08-20-18

Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-36 A79056	Drywall	Heterogeneous	15%	Cellulose	82%	Gypsum	None Detected
		White	3%	Fiberglass			
		Fibrous					
		Bound					
EC080218-37 A79057	Drywall Joint Compound Skim Coat	Heterogeneous	<1%	Cellulose	82%	Silicates	None Detected
		White			15%	Binder	
		Fibrous			3%	Paint	
		Bound					
EC080218-38 A79058	Drywall Joint Compound Skim Coat	Heterogeneous	<1%	Cellulose	82%	Silicates	None Detected
		White			15%	Binder	
		Fibrous			3%	Paint	
		Bound					
EC080218-39 A79059	Drywall Joint Compound Skim Coat	Heterogeneous	<1%	Cellulose	82%	Silicates	None Detected
		White			15%	Binder	
		Fibrous			3%	Paint	
		Bound					
EC080218-42 A79060	Ceiling Tile	Heterogeneous	35%	Cellulose	33%	Perlite	None Detected
		Off-white	30%	Fiberglass	2%	Paint	
		Fibrous					
		Loosely Bound					
EC080218-43 A79061	Ceiling Tile	Heterogeneous	35%	Cellulose	33%	Perlite	None Detected
		Off-white	30%	Fiberglass	2%	Paint	
		Fibrous					
		Loosely Bound					
EC080218-44 A79062	Ceiling Tile	Heterogeneous	35%	Cellulose	33%	Perlite	None Detected
		Off-white	30%	Fiberglass	2%	Paint	
		Fibrous					
		Loosely Bound					

Lab Code: A189016
Date Received: 08-16-18
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ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A189016
Date Received: 08-16-18
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Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-52 A79070	Ceiling Tile	Heterogeneous	40%	Cellulose	2%	Paint	None Detected
		Brown	58%	Fiberglass			
		Fibrous					
		Loosely Bound					
EC080218-53 A79071	Ceiling Tile	Heterogeneous	40%	Cellulose	2%	Paint	None Detected
		Brown	58%	Fiberglass			
		Fibrous					
		Loosely Bound					
EC080218-54 A79072	Hard Coat Plaster	Heterogeneous	<1%	Cellulose	3%	Paint	None Detected
		Gray			82%	Silicates	
		Fibrous			15%	Binder	
		Bound					
EC080218-55 A79073	Hard Coat Plaster	Heterogeneous	<1%	Cellulose	3%	Paint	None Detected
		Gray			82%	Silicates	
		Fibrous			15%	Binder	
		Bound					
EC080218-56 A79074	Hard Coat Plaster	Heterogeneous	<1%	Cellulose	3%	Paint	None Detected
		Gray			82%	Silicates	
		Fibrous			15%	Binder	
		Bound					
EC080218-57 A79075	Hard Coat Plaster	Heterogeneous	<1%	Cellulose	3%	Paint	None Detected
		Gray			82%	Silicates	
		Fibrous			15%	Binder	
		Bound					
EC080218-58 A79076	Hard Coat Plaster	Heterogeneous	<1%	Cellulose	3%	Paint	None Detected
		Gray			82%	Silicates	
		Fibrous			15%	Binder	
		Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A189016
Date Received: 08-16-18
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Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-66 A79084	Boiler Duct Insulation	Heterogeneous Gray Fibrous Loosely Bound			40%	Binder	60% Chrysotile
EC080218-67 A79085	Boiler Duct Insulation	Heterogeneous Gray Fibrous Loosely Bound			40%	Binder	60% Chrysotile
EC080218-68 A79086	Boiler Breaching Insulation	Heterogeneous Gray Fibrous Loosely Bound			35%	Binder	65% Chrysotile
EC080218-69 A79087	Boiler Breaching Insulation	Heterogeneous Gray Fibrous Loosely Bound			35%	Binder	65% Chrysotile
EC080218-70 A79088	Boiler Breaching Insulation	Heterogeneous Gray Fibrous Loosely Bound			35%	Binder	65% Chrysotile
EC080218-71 A79089	Hard Elbows On Fiberglass Pipe Insulation	Heterogeneous Gray Fibrous Loosely Bound	60%	Fiberglass	40%	Binder	None Detected
EC080218-72 A79090	Hard Elbows On Fiberglass Pipe Insulation	Heterogeneous Gray Fibrous Loosely Bound	60%	Fiberglass	40%	Binder	None Detected

Lab Code: A189016
Date Received: 08-16-18
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ASBESTOS BULK PLM, EPA 600 METHOD

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
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Project: RPS PreDemo - Cherry Valley

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-80 A79098	Window Glazing	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
EC080218-81 A79099	Window Glazing	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
EC080218-82 A79100	Window Glazing	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Binder	None Detected
EC080218-83 A79101	Sink Undercoating	Heterogeneous Gray Fibrous Loose	3%	Cellulose	20% 77%	Silicates Mastic	None Detected
EC080218-84 A79102	Sink Undercoating	Heterogeneous Gray Fibrous Loose	3%	Cellulose	20% 77%	Silicates Mastic	None Detected
EC080218-85 A79103	Sink Undercoating	Heterogeneous Gray Fibrous Loose	3%	Cellulose	20% 77%	Silicates Mastic	None Detected
EC080218-86 A79104	Linoleum	Heterogeneous Gray Fibrous Bound	25%	Cellulose	70% 5%	Vinyl Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-87 A79105	Linoleum	Heterogeneous Gray Fibrous Bound	25%	Cellulose	70% 5%	Vinyl Binder	None Detected
EC080218-88 A79106	Linoleum	Heterogeneous Gray Fibrous Bound	25%	Cellulose	70% 5%	Vinyl Binder	None Detected
EC080218-89 A79107	Ceiling Tile	Heterogeneous Off-white Fibrous Loosely Bound	35% 30%	Cellulose Fiberglass	33% 2%	Perlite Paint	None Detected
EC080218-90 A79108	Ceiling Tile	Heterogeneous Off-white Fibrous Loosely Bound	35% 30%	Cellulose Fiberglass	33% 2%	Perlite Paint	None Detected
EC080218-91 A79109	Ceiling Tile	Heterogeneous Off-white Fibrous Loosely Bound	35% 30%	Cellulose Fiberglass	33% 2%	Perlite Paint	None Detected
EC080218-92 A79110	Sink Undercoating	Heterogeneous White Fibrous Loosely Bound	20%	Cellulose	80%	Mastic	None Detected
EC080218-93 A79111	Sink Undercoating	Heterogeneous White Fibrous Loosely Bound	20%	Cellulose	80%	Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218-94 A79112	Sink Undercoating	Heterogeneous White Fibrous Loosely Bound	20%	Cellulose	80%	Mastic	None Detected
EC080218-98 A79113	Linoleum Layer 1	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
Layer 2 A79113	Mastic	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
EC080218-99 A79114	Linoleum Layer 1	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
Layer 2 A79114	Mastic	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
EC080218-100 A79115	Linoleum Layer 1	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
Layer 2 A79115	Mastic	Heterogeneous Yellow Fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC080218 -101 A79116	Window Caulk	Heterogeneous Brown Fibrous Bound		98% Binder	2% Chrysotile
EC080218 -102 A79117	Window Caulk	Heterogeneous Brown Fibrous Bound		98% Binder	2% Chrysotile
EC080218 -103 A79118	Window Caulk	Heterogeneous Brown Fibrous Bound		98% Binder	2% Chrysotile
EC080218 -104 A79119	Door Caulk	Heterogeneous Tan Fibrous Bound		98% Binder	2% Chrysotile
EC080218 -105 A79120	Door Caulk	Heterogeneous Tan Fibrous Bound		98% Binder	2% Chrysotile
EC080218 -106 A79121	Door Caulk	Heterogeneous Tan Fibrous Bound		98% Binder	2% Chrysotile
EC080218 -107 A79122	Window Caulk	Heterogeneous Gray Non-fibrous Bound		100% Caulk	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC080218 -108 A79123	Window Caulk	Heterogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC080218 -109 A79124	Window Caulk	Heterogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC080218 -110 A79125	Door Caulk	Heterogeneous White Non-fibrous Bound		100% Caulk	None Detected
EC080218 -111 A79126	Door Caulk	Heterogeneous White Non-fibrous Bound		100% Caulk	None Detected
EC080218 -112 A79127	Door Caulk	Heterogeneous White Non-fibrous Bound		100% Caulk	None Detected
EC080218 -113 A79128	Exterior Cement Plaster	Heterogeneous White Fibrous Bound	<1% Cellulose	80% Silicates 20% Binder	None Detected
EC080218 -114 A79129	Exterior Cement Plaster	Heterogeneous White Fibrous Bound	<1% Cellulose	80% Silicates 20% Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218 -115 A79130	Exterior Cement Plaster	Heterogeneous White Fibrous Bound	<1%	Cellulose	80% 20%	Silicates Binder	None Detected
EC080218 -116 A79131	Cementitious Panels	Heterogeneous Gray Fibrous Bound			85%	Binder	15% Chrysotile
EC080218 -117 A79132	Cementitious Panels	Heterogeneous Gray Fibrous Bound			85%	Binder	15% Chrysotile
EC080218 -118 A79133	Cementitious Panels	Heterogeneous Gray Fibrous Bound			85%	Binder	15% Chrysotile
EC080218 -119 A79134	Corrugated Cementitious Panel	Heterogeneous Gray Fibrous Bound			90%	Binder	10% Chrysotile
EC080218 -120 A79135	Corrugated Cementitious Panel	Heterogeneous Gray Fibrous Bound			90%	Binder	10% Chrysotile
EC080218 -121 A79136	Corrugated Cementitious Panel	Heterogeneous Gray Fibrous Bound			90%	Binder	10% Chrysotile

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC080218 -122 A79137	Insulation	Heterogeneous Gray Fibrous Bound	50%	Fiberglass	20% 30%	Silicates Binder	None Detected
EC080218 -123 A79138	Insulation	Heterogeneous Gray Fibrous Bound	50%	Fiberglass	20% 30%	Silicates Binder	None Detected
EC080218 -124 A79139	Insulation	Heterogeneous Gray Fibrous Bound	50%	Fiberglass	20% 30%	Silicates Binder	None Detected
EC080218 -125 A79140	Boiler Gaskets	Heterogeneous White Fibrous Loosely Bound	100%	Fiberglass			None Detected
EC080218 -126 A79141	Boiler Gaskets	Heterogeneous White Fibrous Loosely Bound	95%	Fiberglass	5%	Binder	None Detected
EC080218 -127 A79142	Boiler Gaskets	Heterogeneous White Fibrous Loosely Bound	98%	Fiberglass	2%	Binder	None Detected

LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

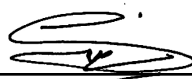
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

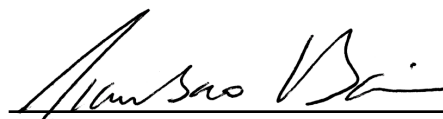
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ANALYST:



Saithya Paikal

APPROVED BY:



Tianbao Bai, Ph.D., CIH
Laboratory Director



A189016 (122)
A79021-A79142
CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #: 27427		Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.		Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500		Project Name: RPS PreDemo - <i>Cherry Valley</i>
Chicago, IL 60607		Project ID#
Email:		PO #:
Tel: 312-762-2920 Fax: 312.782.5145		STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS		
POSITIVE STOP ANALYSIS	☐	PLM DUE DATE: / /
ANALYZE NOB'S BY TEM	☐	TEM DUE DATE: / /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☒	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@caltld.com

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	8/15/18	CP	8/16/18 9:10

Samples will be disposed of 30 days after analysis



COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact: <i>Evan Christian</i>
Project Name: <i>Cherry Valley PreDemo</i>	
Project ID #:	Tel: <i>312-286-1287</i>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
<i>EC080218-01</i>	<i>Gray/Black Roof Sealant</i>		PLM ☐	TEM ☐
<i>02</i>			PLM ☐	TEM ☐
<i>03</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>04</i>	<i>9x9 Floor Tile - 103</i>		PLM ☐	TEM ☐
<i>05</i>	<i>↓ Tan w/ Dark Brown Hall by 102</i>		PLM ☐	TEM ☐
<i>06</i>	<i>↓ Hall by 107</i>		PLM ☐	TEM ☐
<i>07</i>	<i>Black Mastic beneath</i>		PLM ☐	TEM ☐
<i>08</i>	<i>↓ 9x9 Tan Floor Tile</i>		PLM ☐	TEM ☐
<i>09</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>10</i>	<i>1x1 Ceiling Tiles - Hall by 105</i>		PLM ☐	TEM ☐
<i>11</i>	<i>↓ Fissured 102</i>		PLM ☐	TEM ☐
<i>12</i>	<i>↓ 202</i>		PLM ☐	TEM ☐
<i>13</i>	<i>Brown Glue Pucks Hall by 105</i>		PLM ☐	TEM ☐
<i>14</i>	<i>↓ assoc w/ 1x1 Fissured 102</i>		PLM ☐	TEM ☐
<i>15</i>	<i>↓ 102</i>		PLM ☐	TEM ☐
<i>16</i>	<i>9x9 Floor Tile - 107</i>		PLM ☐	TEM ☐
<i>17</i>	<i>↓ Green 102</i>		PLM ☐	TEM ☐
<i>18</i>	<i>↓ 202</i>		PLM ☐	TEM ☐
<i>19</i>	<i>Black Mastic beneath</i>		PLM ☐	TEM ☐
<i>20</i>	<i>↓ 9x9 Green</i>		PLM ☐	TEM ☐
<i>21</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>22</i>	<i>Unrent Linoleum 102</i>		PLM ☐	TEM ☐
<i>23</i>	<i>↓ Cover 103</i>		PLM ☐	TEM ☐
<i>24</i>	<i>↓ 104</i>		PLM ☐	TEM ☐
<i>25</i>	<i>9x9 Floor Tile - 203 under carpet</i>		PLM ☐	TEM ☐
<i>26</i>	<i>↓ Gray w/ White 201</i>		PLM ☐	TEM ☐
<i>27</i>	<i>↓ 201</i>		PLM ☐	TEM ☐
<i>28</i>	<i>Black Mastic beneath</i>		PLM ☐	TEM ☐
<i>29</i>	<i>↓ 9x9 Gray</i>		PLM ☐	TEM ☐
<i>30</i>	<i>↓</i>		PLM ☐	TEM ☐



COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact: <i>Evan Christian</i>
Project Name: <i>Cherry Valley Pre Demo</i>	
Project ID #:	Tel: <i>312-296-1287</i>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
<i>EC080218-31</i>	<i>Yellow Carpet Glue 203</i>		PLM	☐	TEM	☐
<i>32</i>	<i>203</i>		PLM	☐	TEM	☐
<i>33</i>	<i>205</i>		PLM	☐	TEM	☐
<i>34</i>	<i>Drywall Nurse-Half Wall</i>		PLM	☐	TEM	☐
<i>35</i>	<i>IT Room</i>		PLM	☐	TEM	☐
<i>36</i>	<i>IT Room</i>		PLM	☐	TEM	☐
<i>37</i>	<i>Drywall Joint Compound Nurse Half Wall</i>		PLM	☐	TEM	☐
<i>38</i>	<i>Skimcoat IT Room</i>		PLM	☐	TEM	☐
<i>39</i>	<i>IT Room</i>		PLM	☐	TEM	☐
<i>40</i>	<i>VOID</i>		PLM	☐	TEM	☐
<i>41</i>	<i>VOID</i>		PLM	☐	TEM	☐
<i>42</i>	<i>2x4 Ceiling Tiles- 209</i>		PLM	☐	TEM	☐
<i>43</i>	<i>Fissured + Pinhole 210</i>		PLM	☐	TEM	☐
<i>44</i>	<i>210</i>		PLM	☐	TEM	☐
<i>45</i>	<i>9x9 White w/ Blk Central Stairwell</i>		PLM	☐	TEM	☐
<i>46</i>	<i>Floor Tiles</i>		PLM	☐	TEM	☐
<i>47</i>			PLM	☐	TEM	☐
<i>48</i>	<i>Black Mastic beneath</i>		PLM	☐	TEM	☐
<i>49</i>	<i>9x9 white</i>		PLM	☐	TEM	☐
<i>50</i>			PLM	☐	TEM	☐
<i>51</i>	<i>2x4 Ceiling Tiles- Central Stairwell</i>		PLM	☐	TEM	☐
<i>52</i>	<i>Mixed Holes</i>		PLM	☐	TEM	☐
<i>53</i>			PLM	☐	TEM	☐
<i>54</i>	<i>Hard Coat Plaster 103</i>		PLM	☐	TEM	☐
<i>55</i>	<i>Hall by 103</i>		PLM	☐	TEM	☐
<i>56</i>	<i>104</i>		PLM	☐	TEM	☐
<i>57</i>	<i>206</i>		PLM	☐	TEM	☐
<i>58</i>	<i>Kitchen Ceiling</i>		PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐



COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact: <i>Even Christman</i>
Project Name: <i>Cherry Valley</i>	
Project ID #:	Tel: <i>312-296-1287</i>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
<i>EC080218 - 59</i>	<i>Arcell Pipe Insulation</i>		PLM	☐	TEM	☐
<i>60</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>61</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>62</i>	<i>Boiler Insulation</i>		PLM	☐	TEM	☐
<i>63</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>64</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>65</i>	<i>Boiler Duct Insulation</i>		PLM	☐	TEM	☐
<i>66</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>67</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>68</i>	<i>Boiler Breaching Insulation</i>		PLM	☐	TEM	☐
<i>69</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>70</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>71</i>	<i>Hard Elbows on Fiberglass</i>		PLM	☐	TEM	☐
<i>72</i>	<i>↓ Pipe Insulation</i>		PLM	☐	TEM	☐
<i>73</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>74</i>	<i>9x9 Floor Tiles - Stage</i>		PLM	☐	TEM	☐
<i>75</i>	<i>↓ Black + Red</i>		PLM	☐	TEM	☐
<i>76</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>77</i>	<i>Black Mastic beneath</i>		PLM	☐	TEM	☐
<i>78</i>	<i>↓ 9x9 Black + Red</i>		PLM	☐	TEM	☐
<i>79</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>80</i>	<i>Interior Window Glazing</i>		PLM	☐	TEM	☐
<i>81</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>82</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>83</i>	<i>Gray Sink Undercutting</i>	<i>103</i>	PLM	☐	TEM	☐
<i>84</i>	<i>↓</i>	<i>↓</i>	PLM	☐	TEM	☐
<i>85</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>86</i>	<i>Gray Linoleum</i>	<i>Nurse's</i>	PLM	☐	TEM	☐
<i>87</i>	<i>↓</i>	<i>↓</i>	PLM	☐	TEM	☐
<i>88</i>	<i>↓</i>		PLM	☐	TEM	☐



COMPANY CONTACT INFORMATION

Company: Carnow Conibear

Job Contact: *Evan Christman*

Project Name: *Cherry Valley*

Project ID #:

Tel: *312-296-1287*

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
<i>EC080218-89</i>	<i>2x2 Ceiling Tiles - Nurses</i>		PLM	☐	TEM	☐
<i>90</i>	<i>↓ Rough Textured Main Office</i>		PLM	☐	TEM	☐
<i>91</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>92</i>	<i>White Sink Undercabinet Nurse</i>		PLM	☐	TEM	☐
<i>93</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>94</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>95</i>	<i>Textured Ceiling on</i>		PLM	☐	TEM	☐
<i>96</i>	<i>↓ Drywall</i>		PLM	☐	TEM	☐
<i>97</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>98</i>	<i>White Linoleum Main Office</i>		PLM	☐	TEM	☐
<i>99</i>	<i>↓ Flooring</i>		PLM	☐	TEM	☐
<i>100</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>101</i>	<i>Interior Window Caulk</i>		PLM	☐	TEM	☐
<i>102</i>	<i>↓ Brown</i>		PLM	☐	TEM	☐
<i>103</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>104</i>	<i>Interior Door Caulk</i>		PLM	☐	TEM	☐
<i>105</i>	<i>↓ Tan</i>		PLM	☐	TEM	☐
<i>106</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>107</i>	<i>Gray Exterior Window</i>		PLM	☐	TEM	☐
<i>108</i>	<i>↓ Caulk</i>		PLM	☐	TEM	☐
<i>109</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>110</i>	<i>Exterior Door Caulk</i>		PLM	☐	TEM	☐
<i>111</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>112</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>113</i>	<i>Exterior Cement Plaster</i>		PLM	☐	TEM	☐
<i>114</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>115</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>116</i>	<i>Cementitious Panels</i>		PLM	☐	TEM	☐
<i>117</i>	<i>↓ Above Windows - Smooth</i>		PLM	☐	TEM	☐
<i>118</i>	<i>↓ Exterior</i>		PLM	☐	TEM	☐



**CARNOW
CONIBEAR**

Company: Carnow Conibear	Job Contact: <i>Evann Christman</i>
Project Name: <i>Cherry Valley</i>	
Project ID #:	Tel: <i>312-296-1287</i>

Page _____ of _____

September 25, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: Cherry Valley Pre Demo; A139670123
CEI LAB CODE: A1811177

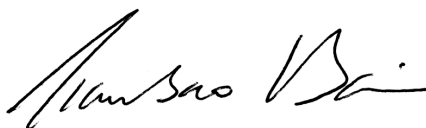
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 24, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: Cherry Valley Pre Demo; A139670123

LAB CODE: A1811177

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/25/18

TOTAL SAMPLES ANALYZED: 6

SAMPLES >1% ASBESTOS:

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Cherry Valley Pre Demo; A139670123

LAB CODE: A1811177

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC092118-01	Layer 1	A116923	Gray	Roof Field	None Detected
	Layer 2	A116923	Cream	Roof Field	None Detected
EC092118-02	Layer 1	A116924	Gray	Roof Field	None Detected
	Layer 2	A116924	Cream	Roof Field	None Detected
EC092118-03	Layer 1	A116925	Gray	Roof Field	None Detected
	Layer 2	A116925	Cream	Roof Field	None Detected
EC092118-04	Layer 1	A116926	Black	Roof Field	None Detected
	Layer 2	A116926	Cream	Roof Field	None Detected
	Layer 2	A116926	Brown	Roof Field	None Detected
EC092118-05	Layer 1	A116927	Black	Roof Field	None Detected
	Layer 2	A116927	Cream	Roof Field	None Detected
	Layer 2	A116927	Brown	Roof Field	None Detected
EC092118-06	Layer 1	A116928	Black	Roof Field	None Detected
	Layer 2	A116928	Cream	Roof Field	None Detected
	Layer 2	A116928	Brown	Roof Field	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811177
Date Received: 09-24-18
Date Analyzed: 09-25-18
Date Reported: 09-25-18

Project: Cherry Valley Pre Demo; A139670123

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC092118-01 Layer 1 A116923	Roof Field	Homogeneous	60%	Cellulose	10%	Binder	None Detected
		Gray	30%	Fiberglass			
		Fibrous					
		Bound					
Layer 2 A116923	Roof Field	Heterogeneous			100%	Foam	None Detected
		Cream					
		Non-fibrous					
		Bound					
EC092118-02 Layer 1 A116924	Roof Field	Homogeneous	60%	Cellulose	10%	Binder	None Detected
		Gray	30%	Fiberglass			
		Fibrous					
		Bound					
Layer 2 A116924	Roof Field	Heterogeneous			100%	Foam	None Detected
		Cream					
		Non-fibrous					
		Bound					
EC092118-03 Layer 1 A116925	Roof Field	Homogeneous	60%	Cellulose	10%	Binder	None Detected
		Gray	30%	Fiberglass			
		Fibrous					
		Bound					
Layer 2 A116925	Roof Field	Heterogeneous			100%	Foam	None Detected
		Cream					
		Non-fibrous					
		Bound					
EC092118-04 Layer 1 A116926	Roof Field	Homogeneous	5%	Cellulose	95%	Tar	None Detected
		Black					
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811177
Date Received: 09-24-18
Date Analyzed: 09-25-18
Date Reported: 09-25-18

Project: Cherry Valley Pre Demo; A139670123

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A116926	Roof Field	Heterogeneous Cream Non-fibrous Bound			100%	Foam	None Detected
Layer 2 A116926	Roof Field	Heterogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
EC092118-05 Layer 1 A116927	Roof Field	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
Layer 2 A116927	Roof Field	Heterogeneous Cream Non-fibrous Bound			100%	Foam	None Detected
Layer 2 A116927	Roof Field	Heterogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
EC092118-06 Layer 1 A116928	Roof Field	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
Layer 2 A116928	Roof Field	Heterogeneous Cream Non-fibrous Bound			100%	Foam	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811177

Date Received: 09-24-18

Date Analyzed: 09-25-18

Date Reported: 09-25-18

Project: Cherry Valley Pre Demo; A139670123

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 A116928	Roof Field	Heterogeneous Brown Fibrous Loosely Bound	100%	Cellulose	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

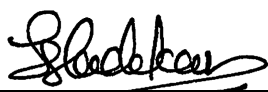
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

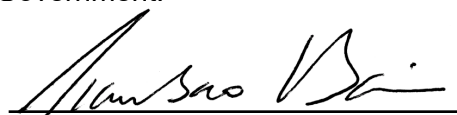
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


 Shilpa Ladekar

APPROVED BY:


 Tianbao Bai, Ph.D., CIH
 Laboratory Director



A1811177(6)
A116923 - A116928
CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #: 27427		Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.		Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500		Project Name: <i>Cherry Valley Pre Demo</i>
Chicago, IL 60607		Project ID# <i>A139670123</i>
Email:		PO #:
Tel: 312-762-2920 Fax: 312.782.5145		STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS		
POSITIVE STOP ANALYSIS	☐	PLM DUE DATE: / /
ANALYZE NOB'S BY TEM	☐	TEM DUE DATE: / /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☒	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@caltld.com

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Evan Christian</i>	<i>9/21/18 11:00AM</i>	<i>EC</i>	<i>9/24 9:10</i>

Samples will be disposed of 30 days after analysis

October 3, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: Cherry Valley PreDemo; A139670123
CEI LAB CODE: A1811904

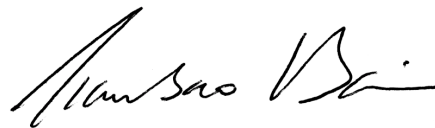
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 3, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: Cherry Valley PreDemo; A139670123

LAB CODE: A1811904

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/03/18

TOTAL SAMPLES ANALYZED: 15

SAMPLES >1% ASBESTOS:



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Cherry Valley PreDemo; A139670123

LAB CODE: A1811904

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC100118-01		A129622	Black	Adhesive	None Detected
EC100118-02		A129623	Black	Adhesive	None Detected
EC100118-03		A129624	Black	Adhesive	None Detected
EC100118-04		A129625	Tan	Adhesive	None Detected
EC100118-05		A129626	Tan	Adhesive	None Detected
EC100118-06		A129627	Tan	Adhesive	None Detected
EC100118-07		A129628	Green,Brown	Chalkboard Pressboard	None Detected
EC100118-08		A129629	Green,Brown	Chalkboard Pressboard	None Detected
EC100118-09		A129630	Green,Brown	Chalkboard Pressboard	None Detected
EC100118-10		A129631	Tan,Brown	Pressboard Ceiling	None Detected
EC100118-11		A129632	Tan,Brown	Pressboard Ceiling	None Detected
EC100118-12		A129633	Tan,Brown	Pressboard Ceiling	None Detected
EC100118-13		A129634	Tan,Gray	Plaster	None Detected
EC100118-14		A129635	Tan,Gray	Plaster	None Detected
EC100118-15		A129636+	Tan,Gray	Plaster	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811904
Date Received: 10-03-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: Cherry Valley PreDemo; A139670123

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC100118-01 A129622	Adhesive	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC100118-02 A129623	Adhesive	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC100118-03 A129624	Adhesive	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC100118-04 A129625	Adhesive	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
EC100118-05 A129626	Adhesive	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
EC100118-06 A129627	Adhesive	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
EC100118-07 A129628	Chalkboard Pressboard	Heterogeneous Green,Brown Fibrous Loosely Bound	85%	Cellulose	15%	Binder	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811904
Date Received: 10-03-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: Cherry Valley PreDemo; A139670123

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
EC100118-08 A129629	Chalkboard Pressboard	Heterogeneous Green,Brown Fibrous Loosely Bound	85%	Cellulose	15%	Binder	None Detected
EC100118-09 A129630	Chalkboard Pressboard	Heterogeneous Green,Brown Fibrous Loosely Bound	85%	Cellulose	15%	Binder	None Detected
EC100118-10 A129631	Pressboard Ceiling	Heterogeneous Tan,Brown Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
EC100118-11 A129632	Pressboard Ceiling	Heterogeneous Tan,Brown Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
EC100118-12 A129633	Pressboard Ceiling	Heterogeneous Tan,Brown Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
EC100118-13 A129634	Plaster	Heterogeneous Tan,Gray Fibrous Bound	<1%	Cellulose	5% 35% 60%	Paint Binder Silicates	None Detected
EC100118-14 A129635	Plaster	Heterogeneous Tan,Gray Fibrous Bound	<1%	Cellulose	5% 35% 60%	Paint Binder Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811904
Date Received: 10-03-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: Cherry Valley PreDemo; A139670123

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC100118-15 A129636+	Plaster	Heterogeneous	<1%	Cellulose	5%	Paint	None Detected
		Tan,Gray			35%	Binder	
		Fibrous			60%	Silicates	
		Bound					

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

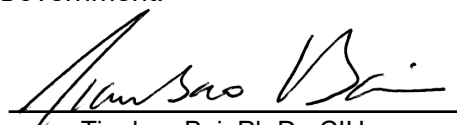
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


 Greg Ruff

APPROVED BY:


 Tianbao Bai, Ph.D., CIH
 Laboratory Director



CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:**CEI Lab Code:****CEI Lab I.D. Range:**

A1811904 (15)
A129622-A 129636

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #: 27427	Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.	Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500	Project Name: A139670123
Chicago, IL 60607	Project ID# Cherry Valley PreDemo
Email:	PO #:
Tel: 312-762-2920 Fax: 312.782.5145	STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS		
POSITIVE STOP ANALYSIS	☐	PLM DUE DATE: / /
ANALYZE NOB'S BY TEM	☐	TEM DUE DATE: / /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@ccaltd.com

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Evan Christian</i>	10/1/18 1:00 PM	<i>EC</i>	10/3 4:20

Samples will be disposed of 30 days after analysis



**CARNOW
CONIBEAR**

Company: Carnow Conibear

Job Contact:

Project Name: Cherry Valley

Project ID #:

Tel:

[illegible]

ATTACHMENT B

Evan Christian

Illinois Licensed Building Inspector, Project Manager, Air
Sampling Professional and Management Planner



ASBESTOS PROFESSIONAL LICENSE

ID NUMBER

100 - 19466

ISSUED

3/15/2018

EXPIRES

05/15/2019

EVAN I CHRISTIAN

600 W VAN BUREN ST., STE 5
CHICAGO, IL 60607

Environmental Health



ENDORSEMENTS

TC EXPIRES

INSPECTOR

11/28/2018

MANAGEMENT PLANNER

1/5/2019

PROJECT MANAGER

12/5/2018

AIR SAMPLING PROFESSIONAL

Alteration of this license shall result in legal action

This license issued under authority of the State of Illinois
Department of Public Health

This license is valid only when accompanied by a valid
training course certificate.

2017



OCCUPATIONAL TRAINING & SUPPLY, INC.

7233 S. Adams Street ♦ Willowbrook, IL 60527 ♦ (630) 655-3900 ♦ www.otssafety.com

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Evan Christian

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency response Act (AHERA) and TSCA Title II.

Course Date: 11/28/2017

Exam Date: 11/28/2017

Expiration Date: 11/28/2018

Certificate Number: BIR1711284928

Kathy DeSalvo, Director



October 4, 2018

Mr. Guy Carynski
Environmental Coordinator
Rockford School District
1907 Kishwaukee Street
Rockford, IL 61104

**RE: Pre-demolition Asbestos Inspection Report
AC Thompson School – 4949 Marion Avenue, Rockford, IL 61108
Carnow Conibear Project No.: A139670122**

Dear Mr. Carynski,

Please find the attached summary and results of the pre-demolition asbestos inspection performed by Carnow, Conibear & Assoc., Ltd. (Carnow Conibear) at the above referenced property. The inspection and sampling was performed to determine the presence of asbestos-containing building materials prior to demolition. The survey and sampling were conducted September 19, 2018. Sampling was conducted by Carnow Conibear representative Mr. Evan Christian, licensed by the Illinois Department of Public Health (IDPH) as an Asbestos Building Inspector.

CEI Labs (CEI) performed all related asbestos sample analysis. Analysis was completed by Polarized Light Microscopy (PLM) at 400x magnification. PLM is the EPA recommended laboratory method for the identification of asbestos in bulk building materials. CEI is accredited for asbestos bulk sample analysis by PLM through NIST's National Voluntary Laboratory Accreditation Program (NVLAP).

The results of the sampling are presented in the following tables.

**Table I
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1957 Building
4949 Marion Avenue, Rockford, IL 61108**

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918-01 thru 07	Plaster Skim Coat over Drywall	Walls Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-08 thru 12	Ceiling Plaster	Lower Level Hallway, Kitchen Area, Lower Level Rooms	Asbestos Not Detected	No Action Required prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1957 Building
4949 Marion Avenue, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918-13 thru 15	9"x9" Floor Tiles – Tan with Brown and White Streaks (Distinct)	Hallways and Classrooms	7% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-16 thru 18	Black Mastic beneath 9"x9" Floor Tiles – Tan with Brown and White Streaks (Distinct)	Hallways and Classrooms	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-19 thru 21	4" Black Baseboard	Walls Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-22 thru 24	Tan Glue on 4" Black Baseboard	Walls Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-25 thru 27	Tectum Roof Deck	Roof Deck Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-28 thru 30	Pipe Joint Insulation on Fiberglass Insulated Pipes	Throughout Building	7% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-31 thru 33	1'x1' Ceiling Tiles – Gouges and Pinholes	Kitchen Area	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-35 thru 37	Brown Glue Pucks associated with 1'x1' Ceiling Tiles – Gouges and Pinholes	Kitchen Area	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-38 thru 40	Drywall	2 nd Floor Hallway, Multipurpose Room	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-41 thru 43	2'x4' Ceiling Tiles – Large and Small Pinholes	Multipurpose Room	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-44 thru 46	Aircell Pipe Insulation	Room 10, 11.1 AHU/Book Room	65% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-47 thru 49	9"x9" Floor Tiles – Tan with Brown and White Streaks (Faint)	1 st and 2 nd Floor South Hallways	7% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-50 thru 52	Black Mastic beneath 9"x9" Floor Tiles – Tan with Brown and White Streaks (Faint)	1 st and 2 nd Floor South Hallways	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1957 Building
4949 Marion Avenue, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918-53 thru 55	12"x12" Floor Tiles – Beige with Black and White Specks	Room 6	Asbestos Not Detected	Removal/Abatement prior to Demolition (Associated Mastic Contains Asbestos)
EC091918-56 thru 58	Black Mastic beneath 12"x12" Floor Tiles – Beige with Black and White Specks	Room 6	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-59 thru 61	Tan Carpet Mastic	Rooms 1, 2, 3, 5, 9, Main Office Suite	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-62 thru 64	White Sink Undercoating	Nurse's Office	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-65 thru 67	12"x12" Red and Beige Replacement Floor Tiles	Upper Level Custodial Closet	Asbestos Not Detected	Removal/Abatement prior to Demolition (Associated Mastic Contains Asbestos)
EC091918-68 thru 70	Black Mastic beneath 12"x12" Red and Beige Replacement Floor Tiles	Upper Level Custodial Closet	3% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-71 thru 73	Gray Interior Window Glazing Putty	Windows Throughout Building	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-74 thru 76	Tan Interior Door Caulk	Doors to Exterior Throughout	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-77 thru 79	Gray Exterior Door Caulk	Doors to Exterior Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-80 thru 82	White Exterior Window Caulk	Windows Throughout Building	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-83 thru 85	White Exterior Window Glazing Putty	Windows Throughout Building	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-86 thru 88	Pipe Joint Insulation on Fiberglass Insulated Pipes associated with Boiler	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1957 Building
4949 Marion Avenue, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918-89 thru 91	Boiler Gaskets	Boiler Room	85% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918-92 thru 94	Gray Boiler Mortar	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-95 thru 97	White Mineral Wool Boiler Insulation	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-98 thru 100	Pressboard behind Chalkboards	Chalkboards Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-101 thru 103	Green/Brown Glue Pucks behind Chalkboards	Chalkboards Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918-104 thru 106	Paperwrap Pipe Insulation	Unit Ventilators	15% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-119 thru 121	Roof Field	Roof	Asbestos Not Detected	No Action Required prior to Demolition
EC100118-01 thru 03	Breeching Insulation	Upper Level by Main Entrance	Asbestos Not Detected	No Action Required prior to Demolition

Table II
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1960's Building
4949 Marion Avenue, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918A-01 thru 03	9"x9" Floor Tiles – Tan with Brown and White Streaks (Faint)	Classrooms, Hallway, Walkway	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-04 thru 06	Black Mastic beneath 9"x9" Floor Tiles – Tan with Brown and White Streaks (Faint)	Classrooms, Hallway, Walkway	Asbestos Not Detected	No Action Required prior to Demolition

Table II
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1960's Building
4949 Marion Avenue, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918A-07 thru 09	Tectum Ceiling Deck	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-10 thru 12	4" Black Baseboards	Walls Throughout East Side	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-13 thru 15	Tan Glue behind 4" Black Baseboards	Walls Throughout East Side	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-16 thru 18	Tan Carpet Glue	125, 110, 109	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-19 thru 21	Ceiling Plaster	112, 113, 119, East Side Restrooms	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-22 thru 24	Drywall	113 (unfinished), 125	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-25 thru 27	Drywall Joint Compound	125	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-28 thru 30	2'x2' Ceiling Tiles – Small and Large Holes	SE Hallway by Gymnasium and Boiler Room	<1% Chrysotile, <1% Amosite Asbestos	Removal/Abatement prior to Demolition
EC091918A-31 thru 33	AHU Vibration Cloth	114	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-34 thru 36	Pipe Joint Insulation on Fiberglass Insulated Pipes	Throughout Building	15% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-37 thru 39	12"x12" Floor Tiles – Beige with Light Brown and White Streaks	West Side Hallway	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-40 thru 42	Tan Glue beneath 12"x12" Floor Tiles – Beige with Light Brown and White Streaks	West Side Hallway	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-43 thru 45	9"x9" Floor Tiles – Tan and Beige Specks	West Side Classrooms	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition

Table II
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1960's Building
4949 Marion Avenue, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918A-46 thru 48	Black Mastic beneath 9"x9" Floor Tiles – Tan and Beige Specks	West Side Classrooms	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-49 thru 51	Gray Interior Window Glazing Putty	West Side Windows	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-52 thru 54	Gray Interior Window Caulk	West Side Windows to Exterior, West Side Windows at Entrances to Classrooms	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-55 thru 57	Brown Exterior Window Caulk	West Side Windows	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-58 thru 60	Pressboard Panels above Windows	West Side Windows	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-61 thru 67	Hard Coat Wall Plaster	Walls Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-68 thru 70	4" Brown Baseboards	Walls Throughout West Side of Building	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-71 thru 73	Tan Glue behind 4" Brown Baseboards	Walls Throughout West Side of Building	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-74 thru 76	Boiler Gaskets	Boiler Room	85% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-77 thru 79	Gray Boiler Mortar	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-80 thru 82	Pipe Joint Insulation on Fiberglass Insulated Pipes associated with Boiler	Boiler Room	15% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-83 thru 85	Water Heater Breeching	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-86 thru 88	Kiln Brick	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition

Table II
Asbestos Sample Results
Rockford Public Schools – AC Thompson School-1960's Building
4949 Marion Avenue, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC091918A-89 thru 91	Gray Interior Window Glazing Putty	East Side Windows	<1% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-92 thru 94	Tan Interior Window Glazing Putty	Walkway Windows	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-95 thru 97	Interior Window Caulk	Walkway Windows	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-98 thru 100	Black Exterior Window Glazing Putty	West Side Windows	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-101 thru 103	Gray Exterior Window Glazing Putty	East Side Windows	2" Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-104 thru 106	Gray Exterior Window Glazing Putty	East Side Windows	2" Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-107 thru 109	Gray Exterior Door Caulk	Exterior Doors Throughout Building	5% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-110 thru 112	Tan Interior Door Caulk	Doors to Exterior of Building Throughout	3% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC091918A-113 thru 115	Roof Field	Roof	Asbestos Not Detected	No Action Required prior to Demolition
EC091918A-116 thru 118	Roof Flashing	Roof	Asbestos Not Detected	No Action Required prior to Demolition
EC100118-04 thru 06	Pressboard Inside Panel Walls	Walkway	Asbestos Not Detected	No Action Required prior to Demolition
EC100118-07 thru 09	Dark Gray Chalkboard Adhesive	Throughout Building	<1% Chrysotile Asbestos	No Action Required prior to Demolition (Removal/Abatement Recommended)
EC100118-10 thru 12	Black Tar-like Barrier beneath Wood Floor	Gymnasium	Asbestos Not Detected	No Action Required prior to Demolition

Based on the results of the inspections and sampling Carnow Conibear recommends the following prior to demolition at Thompson School located at 4949 Marion Avenue, Rockford, Illinois 61108.

- **Asbestos Abatement** - Removal and disposal of all identified asbestos containing materials per applicable EPA and OSHA asbestos regulations. Abatement by Illinois Licensed Asbestos Abatement Contractor.

See Attachment A for laboratory reports and sample chain of custody documentation and Attachment B for Inspector License and Current Accreditation.

Please feel free to contact me directly at 312.762.2925 or echristian@caltld.com should you have any questions or require any additional information.

Sincerely,

CARNOW, CONIBEAR & ASSOC., LTD.



Evan Christian
Senior Project Manager

ATTACHMENT A

September 25, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: RPS-Thompson; A139670122
CEI LAB CODE: A1811180

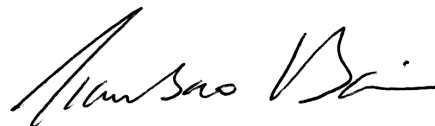
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 24, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: RPS-Thompson; A139670122

LAB CODE: A1811180

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/25/18

TOTAL SAMPLES ANALYZED: 121

SAMPLES >1% ASBESTOS: 42

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson; A139670122

LAB CODE: A1811180

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
ECO91918A-01		A116984	Tan	Floor Tile	Chrysotile 5%
ECO91918A-02		A116985	Tan	Floor Tile	Chrysotile 5%
ECO91918A-03		A116986	Tan	Floor Tile	Chrysotile 5%
ECO91918A-04		A116987	Black	Mastic	None Detected
ECO91918A-05		A116988	Black	Mastic	None Detected
ECO91918A-06		A116989	Black	Mastic	None Detected
ECO91918A-07		A116990	Black	Tectum Ceiling	None Detected
ECO91918A-08		A116991	Black	Tectum Ceiling	None Detected
ECO91918A-09		A116992	Black	Tectum Ceiling	None Detected
ECO91918A-10		A116993	Black	Baseboard	None Detected
ECO91918A-11		A116994	Black	Baseboard	None Detected
ECO91918A-12		A116995	Black	Baseboard	None Detected
ECO91918A-13		A116996	Tan	Glue	None Detected
ECO91918A-14		A116997	Tan	Glue	None Detected
ECO91918A-15		A116998	Tan	Glue	None Detected
ECO91918A-16		A116999	Tan	Carpet Mastic	None Detected
ECO91918A-17		A117000	Tan	Carpet Mastic	None Detected
ECO91918A-18		A117001	Tan	Carpet Mastic	None Detected
ECO91918A-19		A117002	White	Plaster	None Detected
ECO91918A-20		A117003	White	Plaster	None Detected
ECO91918A-21		A117004	White	Plaster	None Detected
ECO91918A-22		A117005	Gray	Drywall	None Detected
ECO91918A-23		A117006	Gray	Drywall	None Detected
ECO91918A-24		A117007	Gray	Drywall	None Detected
ECO91918A-25		A117008	White	Drywall Joint Compound	None Detected
ECO91918A-26		A117009	White	Drywall Joint Compound	None Detected
ECO91918A-27		A117010	White	Drywall Joint Compound	None Detected
ECO91918A-28		A117011	Gray	Ceiling Tile	Chrysotile <1% Amosite <1%
ECO91918A-29		A117012	Gray	Ceiling Tile	Chrysotile <1% Amosite <1%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson; A139670122

LAB CODE: A1811180

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
ECO91918A-30		A117013	Gray	Ceiling Tile	Chrysotile <1% Amosite <1%
ECO91918A-31		A117014	Gray	Ahu Vibration Cloth	None Detected
ECO91918A-32		A117015	Gray	Ahu Vibration Cloth	None Detected
ECO91918A-33		A117016	Gray	Ahu Vibration Cloth	None Detected
ECO91918A-34		A117017	Tan	Fitting On Fiberglass	Chrysotile 15%
ECO91918A-35		A117018	Tan	Fitting On Fiberglass	Chrysotile 15%
ECO91918A-36		A117019	Tan	Fitting On Fiberglass	Chrysotile 15%
ECO91918A-37		A117020	Beige,Brown	Floor Tile	None Detected
ECO91918A-38		A117021	Beige,Brown	Floor Tile	None Detected
ECO91918A-39		A117022	Beige,Brown	Floor Tile	None Detected
ECO91918A-40		A117023	Tan	Mastic	None Detected
ECO91918A-41		A117024	Tan	Mastic	None Detected
ECO91918A-42		A117025	Tan	Mastic	None Detected
ECO91918A-43		A117026	Tan,Beige	Floor Tile	Chrysotile 5%
ECO91918A-44		A117027	Tan,Beige	Floor Tile	Chrysotile 5%
ECO91918A-45		A117028	Tan,Beige	Floor Tile	Chrysotile 5%
ECO91918A-46		A117029	Black	Mastic	Chrysotile 2%
ECO91918A-47		A117030	Black	Mastic	Chrysotile 2%
ECO91918A-48		A117031	Black	Mastic	Chrysotile 2%
ECO91918A-49		A117032	Gray	Interior Window Glazing	None Detected
ECO91918A-50		A117033	Gray	Interior Window Glazing	None Detected
ECO91918A-51		A117034	Gray	Interior Window Glazing	None Detected
ECO91918A-52		A117035	Gray	Interior Window Caulk	Chrysotile 5%
ECO91918A-53		A117036	Gray	Interior Window Caulk	Chrysotile 5%
ECO91918A-54		A117037	Gray	Interior Window Caulk	Chrysotile 5%
ECO91918A-55		A117038	Brown	Interior Window Caulk	None Detected
ECO91918A-56		A117039	Brown	Interior Window Caulk	None Detected
ECO91918A-57		A117040	Brown	Interior Window Caulk	None Detected
ECO91918A-58		A117041	Brown	Pressboard	None Detected
ECO91918A-59		A117042	Brown	Pressboard	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson; A139670122

LAB CODE: A1811180

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
ECO91918A-60		A117043	Brown	Pressboard	None Detected
ECO91918A-61	Layer 1	A117044	White	Plaster Skim Coat	None Detected
	Layer 2	A117044	Gray	Plaster Base Coat	None Detected
ECO91918A-62		A117045	Gray	Plaster	None Detected
ECO91918A-63		A117046	Gray	Plaster	None Detected
ECO91918A-64		A117047	Gray	Plaster	None Detected
ECO91918A-65		A117048	Gray	Plaster	None Detected
ECO91918A-66		A117049	Gray	Plaster	None Detected
ECO91918A-67		A117050	Gray	Plaster	None Detected
ECO91918A-68		A117051	Brown	Baseboard	None Detected
ECO91918A-69		A117052	Brown	Baseboard	None Detected
ECO91918A-70		A117053	Brown	Baseboard	None Detected
ECO91918A-71		A117054	Tan	Glue	Chrysotile 2%
ECO91918A-72		A117055	Tan	Glue	Chrysotile 2%
ECO91918A-73		A117056	Tan	Glue	Chrysotile 2%
ECO91918A-74		A117057	White	Boiler Gasket	Chrysotile 85%
ECO91918A-75		A117058	White	Boiler Gasket	Chrysotile 85%
ECO91918A-76		A117059	White	Boiler Gasket	Chrysotile 85%
ECO91918A-77		A117060	Gray	Boiler Mortar	None Detected
ECO91918A-78		A117061	Gray	Boiler Mortar	None Detected
ECO91918A-79		A117062	Gray	Boiler Mortar	None Detected
ECO91918A-80		A117063	White	Fitting On Fiberglass	Chrysotile 15%
ECO91918A-81		A117064	White	Fitting On Fiberglass	Chrysotile 15%
ECO91918A-82		A117065	White	Fitting On Fiberglass	Chrysotile 15%
ECO91918A-83		A117066	Beige	Water Heater Backing	None Detected
ECO91918A-84		A117067	Beige	Water Heater Backing	None Detected
ECO91918A-85		A117068	Beige	Water Heater Backing	None Detected
ECO91918A-86		A117069	Beige	Brick	None Detected
ECO91918A-87		A117070	Beige	Brick	None Detected
ECO91918A-88		A117071	Beige	Brick	None Detected
ECO91918A-89		A117072	Gray	Interior Window Glazing	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson; A139670122

LAB CODE: A1811180

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
ECO91918A-90		A117073	Gray	Interior Window Glazing	Chrysotile <1%
ECO91918A-91		A117074	Gray	Interior Window Glazing	None Detected
ECO91918A-92	Layer 1	A117075	Tan	Interior Window Glazing	Chrysotile 2%
	Layer 2	A117075	Clear	Interior Window Glazing	None Detected
ECO91918A-93	Layer 1	A117076	Tan	Interior Window Glazing	Chrysotile 2%
	Layer 2	A117076	Clear	Interior Window Glazing	None Detected
ECO91918A-94	Layer 1	A117077	Tan	Interior Window Glazing	Chrysotile 2%
	Layer 2	A117077	Clear	Interior Window Glazing	None Detected
ECO91918A-95		A117078	Tan	Interior Window Caulk	Chrysotile 2%
ECO91918A-96		A117079	Tan	Interior Window Caulk	Chrysotile 2%
ECO91918A-97		A117080	Tan	Interior Window Caulk	Chrysotile 2%
ECO91918A-98		A117081	Black	Interior Window Glazing	None Detected
ECO91918A-99		A117082	Black	Interior Window Glazing	None Detected
ECO91918A-100		A117083	Black	Interior Window Glazing	None Detected
ECO91918A-101		A117084	Gray	Interior Window Glazing	Chrysotile 2%
ECO91918A-102		A117085	Gray	Interior Window Glazing	Chrysotile 2%
ECO91918A-103		A117086	Gray	Interior Window Glazing	Chrysotile 2%
ECO91918A-104		A117087	Gray	Interior Window Glazing	Chrysotile 2%
ECO91918A-105		A117088	Gray	Interior Window Glazing	Chrysotile 2%
ECO91918A-106		A117089	Gray	Interior Window Glazing	Chrysotile 2%
ECO91918A-107		A117090	Gray	Interior Door Caulk	Chrysotile 5%
ECO91918A-108		A117091	Gray	Interior Door Caulk	Chrysotile 5%
ECO91918A-109		A117092	Tan	Interior Door Caulk	Chrysotile 5%
ECO91918A-110		A117093	Tan	Interior Door Caulk	Chrysotile 3%
ECO91918A-111		A117094	Tan	Interior Door Caulk	Chrysotile 3%
ECO91918A-112		A117095	Tan	Interior Door Caulk	Chrysotile 3%
ECO91918A-113		A117096	Tan	Roof Fields	None Detected
ECO91918A-114		A117097	Tan	Roof Fields	None Detected
ECO91918A-115		A117098	Tan	Roof Fields	None Detected
ECO91918A-116		A117099	Tan	Roof Flashing	None Detected
ECO91918A-117		A117100	Tan	Roof Flashing	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson; A139670122

LAB CODE: A1811180

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
ECO91918A-118		A117101	Tan	Roof Flashing	None Detected
ECO91918A-119		A117102	Tan	Roof Field	None Detected
ECO91918A-120		A117103	Tan	Roof Field	None Detected
ECO91918A-121		A117104	Tan	Roof Field	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
ECO91918A-01 A116984	Floor Tile	Heterogeneous Tan Fibrous Tightly Bound		95% Vinyl	5% Chrysotile
ECO91918A-02 A116985	Floor Tile	Heterogeneous Tan Fibrous Tightly Bound		95% Vinyl	5% Chrysotile
ECO91918A-03 A116986	Floor Tile	Heterogeneous Tan Fibrous Tightly Bound		95% Vinyl	5% Chrysotile
ECO91918A-04 A116987	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
ECO91918A-05 A116988	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
ECO91918A-06 A116989	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
ECO91918A-07 A116990	Tectum Ceiling	Heterogeneous Black Fibrous Bound	15% Cellulose	80% Calc Carb 5% Paint	None Detected

ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
Date Received: 09-24-18
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Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO91918A-08 A116991	Tectum Ceiling	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Calc Carb Paint	None Detected
ECO91918A-09 A116992	Tectum Ceiling	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Calc Carb Paint	None Detected
ECO91918A-10 A116993	Baseboard	Homogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
ECO91918A-11 A116994	Baseboard	Homogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
ECO91918A-12 A116995	Baseboard	Homogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
ECO91918A-13 A116996	Glue	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
ECO91918A-14 A116997	Glue	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO91918A-15 A116998	Glue	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
ECO91918A-16 A116999	Carpet Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
ECO91918A-17 A117000	Carpet Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
ECO91918A-18 A117001	Carpet Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
ECO91918A-19 A117002	Plaster	Heterogeneous White Non-fibrous Bound	<1% <1%	Cellulose Hair	75% 25%	Silicates Binder	None Detected
ECO91918A-20 A117003	Plaster	Heterogeneous White Fibrous Bound	<1% <1%	Cellulose Hair	75% 25%	Silicates Binder	None Detected
ECO91918A-21 A117004	Plaster	Heterogeneous White Fibrous Bound	<1% <1%	Cellulose Hair	75% 25%	Silicates Binder	None Detected

ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
Date Received: 09-24-18
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Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO91918A-22 A117005	Drywall	Heterogeneous Gray Fibrous Bound	25%	Cellulose	75%	Gypsum	None Detected
ECO91918A-23 A117006	Drywall	Heterogeneous Gray Fibrous Bound	25%	Cellulose	75%	Gypsum	None Detected
ECO91918A-24 A117007	Drywall	Heterogeneous Gray Fibrous Bound	25%	Cellulose	75%	Gypsum	None Detected
ECO91918A-25 A117008	Drywall Joint Compound	Heterogeneous White Non-fibrous Bound			75% 20% 5%	Calc Carb Binder Paint	None Detected
ECO91918A-26 A117009	Drywall Joint Compound	Heterogeneous White Non-fibrous Bound			75% 20% 5%	Calc Carb Binder Paint	None Detected
ECO91918A-27 A117010	Drywall Joint Compound	Heterogeneous White Non-fibrous Bound			75% 20% 5%	Calc Carb Binder Paint	None Detected
ECO91918A-28 A117011	Ceiling Tile	Heterogeneous Gray Fibrous Bound	45% 15%	Cellulose Fiberglass	35% 5%	Perlite Paint	<1% Chrysotile <1% Amosite

Lab Code: A1811180
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ASBESTOS BULK PLM, EPA 600 METHOD

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ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
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Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO91918A-36 A117019	Fitting On Fiberglass	Heterogeneous Tan Fibrous Loose	65%	Fiberglass	20%	Binder	15% Chrysotile
ECO91918A-37 A117020	Floor Tile	Homogeneous Beige,Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
ECO91918A-38 A117021	Floor Tile	Homogeneous Beige,Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
ECO91918A-39 A117022	Floor Tile	Homogeneous Beige,Brown Non-fibrous Tightly Bound			100%	Vinyl	None Detected
ECO91918A-40 A117023	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
ECO91918A-41 A117024	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
ECO91918A-42 A117025	Mastic	Homogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
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Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
ECO91918A-43 A117026	Floor Tile	Heterogeneous Tan, Beige Fibrous Tightly Bound	95%	Vinyl	5% Chrysotile
ECO91918A-44 A117027	Floor Tile	Heterogeneous Tan, Beige Fibrous Tightly Bound	95%	Vinyl	5% Chrysotile
ECO91918A-45 A117028	Floor Tile	Heterogeneous Tan, Beige Fibrous Tightly Bound	95%	Vinyl	5% Chrysotile
ECO91918A-46 A117029	Mastic	Homogeneous Black Fibrous Bound	98%	Mastic	2% Chrysotile
ECO91918A-47 A117030	Mastic	Homogeneous Black Fibrous Bound	98%	Mastic	2% Chrysotile
ECO91918A-48 A117031	Mastic	Homogeneous Black Fibrous Bound	98%	Mastic	2% Chrysotile
ECO91918A-49 A117032	Interior Window Glazing	Heterogeneous Gray Non-fibrous Bound	100%	Binder	None Detected

ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
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Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
ECO91918A-50 A117033	Interior Window Glazing	Heterogeneous Gray Non-fibrous Bound		100% Binder	None Detected
ECO91918A-51 A117034	Interior Window Glazing	Heterogeneous Gray Non-fibrous Bound		100% Binder	None Detected
ECO91918A-52 A117035	Interior Window Caulk	Heterogeneous Gray Fibrous Bound		90% Caulk 5% Paint	5% Chrysotile
ECO91918A-53 A117036	Interior Window Caulk	Heterogeneous Gray Fibrous Bound		90% Caulk 5% Paint	5% Chrysotile
ECO91918A-54 A117037	Interior Window Caulk	Heterogeneous Gray Fibrous Bound		90% Caulk 5% Paint	5% Chrysotile
ECO91918A-55 A117038	Interior Window Caulk	Heterogeneous Brown Non-fibrous Bound		100% Caulk <1% Binder	None Detected
ECO91918A-56 A117039	Interior Window Caulk	Heterogeneous Brown Non-fibrous Bound		100% Caulk <1% Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO91918A -57 A117040	Interior Window Caulk	Heterogeneous Brown Non-fibrous Bound			100% Caulk <1% Binder		None Detected
ECO91918A -58 A117041	Pressboard	Homogeneous Brown Fibrous Bound	100%	Cellulose			None Detected
ECO91918A -59 A117042	Pressboard	Homogeneous Brown Fibrous Bound	100%	Cellulose			None Detected
ECO91918A -60 A117043	Pressboard	Heterogeneous Brown Fibrous Bound	95%	Cellulose	5% Paint		None Detected
ECO91918A -61 Layer 1 A117044	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			70% Calc Carb 20% Silicates 10% Paint		None Detected
Layer 2 A117044	Plaster Base Coat	Heterogeneous Gray Non-fibrous Bound			80% Silicates 20% Binder		None Detected
ECO91918A -62 A117045	Plaster	Heterogeneous Gray Non-fibrous Bound			80% Silicates 20% Binder		None Detected

ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
Date Received: 09-24-18
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Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
ECO91918A-63 A117046	Plaster	Heterogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous	<1%	Paint	
		Bound			
ECO91918A-64 A117047	Plaster	Heterogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous	<1%	Paint	
		Bound			
ECO91918A-65 A117048	Plaster	Heterogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous	<1%	Paint	
		Bound			
ECO91918A-66 A117049	Plaster	Heterogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous	<1%	Paint	
		Bound			
ECO91918A-67 A117050	Plaster	Heterogeneous	80%	Silicates	None Detected
		Gray	20%	Binder	
		Non-fibrous	<1%	Paint	
		Bound			
ECO91918A-68 A117051	Baseboard	Homogeneous	100%	Vinyl	None Detected
		Brown			
		Non-fibrous			
		Bound			
ECO91918A-69 A117052	Baseboard	Homogeneous	100%	Vinyl	None Detected
		Brown			
		Non-fibrous			
		Bound			

Lab Code: A1811180
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ASBESTOS BULK PLM, EPA 600 METHOD

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ASBESTOS BULK ANALYSIS

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Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
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Lab Code: A1811180
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Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO91918A-77 A117060	Boiler Mortar	Heterogeneous Gray Non-fibrous Bound			75% 25%	Silicates Binder	None Detected
ECO91918A-78 A117061	Boiler Mortar	Heterogeneous Gray Non-fibrous Bound			75% 25%	Silicates Binder	None Detected
ECO91918A-79 A117062	Boiler Mortar	Heterogeneous Gray Non-fibrous Bound			75% 25%	Silicates Binder	None Detected
ECO91918A-80 A117063	Fitting On Fiberglass	Heterogeneous White Fibrous Loose	65%	Fiberglass	20%	Binder	15% Chrysotile
ECO91918A-81 A117064	Fitting On Fiberglass	Heterogeneous White Fibrous Loose	65%	Fiberglass	20%	Binder	15% Chrysotile
ECO91918A-82 A117065	Fitting On Fiberglass	Heterogeneous White Fibrous Loose	65%	Fiberglass	20%	Binder	15% Chrysotile
ECO91918A-83 A117066	Water Heater Backing	Heterogeneous Beige Non-fibrous Bound			75% 25%	Silicates Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
ECO91918A-84 A117067	Water Heater Backing	Heterogeneous Beige Non-fibrous Bound		75% Silicates 25% Binder	None Detected
ECO91918A-85 A117068	Water Heater Backing	Heterogeneous Beige Non-fibrous Bound		75% Silicates 25% Binder	None Detected
ECO91918A-86 A117069	Brick	Heterogeneous Beige Non-fibrous Bound		75% Silicates 25% Binder	None Detected
ECO91918A-87 A117070	Brick	Heterogeneous Beige Non-fibrous Bound		75% Silicates 25% Binder	None Detected
ECO91918A-88 A117071	Brick	Heterogeneous Beige Non-fibrous Bound		75% Silicates 25% Binder	None Detected
ECO91918A-89 A117072	Interior Window Glazing	Heterogeneous Gray Non-fibrous Bound		85% Binder 15% Paint	None Detected
ECO91918A-90 A117073	Interior Window Glazing	Heterogeneous Gray Non-fibrous Bound		85% Binder 15% Paint	<1% Chrysotile

ASBESTOS BULK ANALYSIS

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Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
ECO91918A-91 A117074	Interior Window Glazing	Heterogeneous		85% Binder	None Detected
		Gray		15% Paint	
		Non-fibrous			
		Bound			
ECO91918A-92 Layer 1 A117075	Interior Window Glazing	Heterogeneous		85% Binder	2% Chrysotile
		Tan		13% Paint	
		Non-fibrous			
		Bound			
Layer 2 A117075	Interior Window Glazing	Heterogeneous		85% Binder	None Detected
		Clear		15% Paint	
		Non-fibrous			
		Bound			
ECO91918A-93 Layer 1 A117076	Interior Window Glazing	Heterogeneous		85% Binder	2% Chrysotile
		Tan		13% Paint	
		Non-fibrous			
		Bound			
Layer 2 A117076	Interior Window Glazing	Heterogeneous		85% Binder	None Detected
		Clear		15% Paint	
		Non-fibrous			
		Bound			
ECO91918A-94 Layer 1 A117077	Interior Window Glazing	Heterogeneous		85% Binder	2% Chrysotile
		Tan		13% Paint	
		Non-fibrous			
		Bound			
Layer 2 A117077	Interior Window Glazing	Heterogeneous		85% Binder	None Detected
		Clear		15% Paint	
		Non-fibrous			
		Bound			

Lab Code: A1811180
Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

ASBESTOS BULK PLM, EPA 600 METHOD

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
ECO91918A -102 A117085	Interior Window Glazing	Heterogeneous Gray Fibrous Bound	85% 13%	Binder Paint	2% Chrysotile
ECO91918A -103 A117086	Interior Window Glazing	Heterogeneous Gray Fibrous Bound	85% 13%	Binder Paint	2% Chrysotile
ECO91918A -104 A117087	Interior Window Glazing	Heterogeneous Gray Fibrous Bound	85% 13%	Binder Paint	2% Chrysotile
ECO91918A -105 A117088	Interior Window Glazing	Heterogeneous Gray Fibrous Bound	85% 13%	Binder Paint	2% Chrysotile
ECO91918A -106 A117089	Interior Window Glazing	Heterogeneous Gray Fibrous Bound	85% 13%	Binder Paint	2% Chrysotile
ECO91918A -107 A117090	Interior Door Caulk	Heterogeneous Gray Fibrous Bound	85% 10%	Binder Paint	5% Chrysotile
ECO91918A -108 A117091	Interior Door Caulk	Heterogeneous Gray Fibrous Bound	85% 10%	Binder Paint	5% Chrysotile

Lab Code: A1811180
Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

ASBESTOS BULK PLM, EPA 600 METHOD

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811180
Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

Project: RPS-Thompson; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO91918A-116 A117099	Roof Flashing	Heterogeneous Tan Fibrous Bound	15%	Cellulose	85%	Foam	None Detected
ECO91918A-117 A117100	Roof Flashing	Heterogeneous Tan Fibrous Bound	15%	Cellulose	85%	Foam	None Detected
ECO91918A-118 A117101	Roof Flashing	Heterogeneous Tan Fibrous Bound	15%	Cellulose	60% 25%	Foam Caulk	None Detected
ECO91918A-119 A117102	Roof Field	Heterogeneous Tan Fibrous Bound	15%	Cellulose	85%	Foam	None Detected
ECO91918A-120 A117103	Roof Field	Heterogeneous Tan Fibrous Bound	15%	Cellulose	85%	Foam	None Detected
ECO91918A-121 A117104	Roof Field	Heterogeneous Tan Fibrous Bound	15%	Cellulose	85%	Foam	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

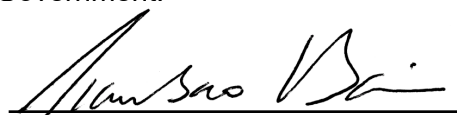
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


 Yvette Nkunde-Bose

APPROVED BY:


 Tianbao Bai, Ph.D., CIH
 Laboratory Director



A1811180 (121)
A116984 - A116 A117104
CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION

CEI CLIENT #: 27427

Company: CARNOW, CONIBEAR & ASSOC.

Address: 600 W. Van Buren St., Ste 500

Chicago, IL 60607

Email:

Tel: 312-762-2920

Fax: 312.782.5145

PROJECT INFORMATION

Job Contact: Evan Christian

Email / Tel: 312-296-1287

Project Name: RPS- Thompson

Project ID# A139670122

PO #:

STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS

POSITIVE STOP ANALYSIS

☐

PLM DUE DATE:

/ /

ANALYZE NOB'S BY TEM

☐

TEM DUE DATE:

/ /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☒	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600	☐	☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD	☐	☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13	☐	☐	☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD	☐	☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@caltld.com

☒

Accept Samples

☐

Reject Samples

Relinquished By:

Date/Time

Received By:

Date/Time

Evan Christian

9/21/18 11:00AM

CS

9/24 9:10

Samples will be disposed of 30 days after analysis

COMPANY CONTACT INFORMATION

Company: Carnow Conibear

Job Contact: *Evan Christian*

Project Name: *Thompson Pro Demo 1960s Const.*

Project ID #:

Tel: *312-286-1287*

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
<i>EC091918A - 01</i>	<i>9x9 Floor Tiles - Tan w/ Hall</i>		PLM ☐	TEM ☐
<i>02</i>	<i>Brown + White streaks 105</i>		PLM ☐	TEM ☐
<i>03</i>	<i>(Faint) Walkway</i>		PLM ☐	TEM ☐
<i>04</i>	<i>Black Mastic beneath</i>		PLM ☐	TEM ☐
<i>05</i>	<i>9x9 Tan Floor Tiles</i>		PLM ☐	TEM ☐
<i>06</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>07</i>	<i>Tectum Ceiling</i>		PLM ☐	TEM ☐
<i>08</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>09</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>10</i>	<i>4" Black Baseboards E side</i>		PLM ☐	TEM ☐
<i>11</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>12</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>13</i>	<i>Tan Glue on Baseboard</i>		PLM ☐	TEM ☐
<i>14</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>15</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>16</i>	<i>Tan Carpet Mastic 110</i>		PLM ☐	TEM ☐
<i>17</i>	<i>↓ 112</i>		PLM ☐	TEM ☐
<i>18</i>	<i>↓ Library</i>		PLM ☐	TEM ☐
<i>19</i>	<i>Ceiling Plaster</i>		PLM ☐	TEM ☐
<i>20</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>21</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>22</i>	<i>Drywall 125</i>		PLM ☐	TEM ☐
<i>23</i>	<i>↓ 113 (unfinished)</i>		PLM ☐	TEM ☐
<i>24</i>	<i>↓ 113</i>		PLM ☐	TEM ☐
<i>25</i>	<i>Drywall Joint Compound 125</i>		PLM ☐	TEM ☐
<i>26</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>27</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>28</i>	<i>2x2 Ceiling Tiles -</i>		PLM ☐	TEM ☐
<i>29</i>	<i>Small + Large Holes</i>		PLM ☐	TEM ☐
<i>30</i>	<i>↓</i>		PLM ☐	TEM ☐



CARNOW CONIBEAR

COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name: <i>Thompson Pre Demo</i>	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
EC091918A - 31	Attu Vibration Cloth		PLM	☐	TEM	☐
- 32	↓		PLM	☐	TEM	☐
- 33	↓		PLM	☐	TEM	☐
- 34	Hand Fittings on Fiberglass Above Ceiling		PLM	☐	TEM	☐
35	Pipe Insulation by Gym		PLM	☐	TEM	☐
36	↓ Boiler Room		PLM	☐	TEM	☐
37	12x12 Beige Floor Tiles - W Hall		PLM	☐	TEM	☐
38	↓ Beige w/Lt. Brown		PLM	☐	TEM	☐
39	↓ + White Streaks		PLM	☐	TEM	☐
40	Tan Mastic on 12x12 Floor		PLM	☐	TEM	☐
41	↓ Tiles		PLM	☐	TEM	☐
42	↓		PLM	☐	TEM	☐
43	9x9 Floor Tiles - 106		PLM	☐	TEM	☐
44	↓ Tan + Beige specks 107		PLM	☐	TEM	☐
45	↓ 111		PLM	☐	TEM	☐
46	Black Mastic on Floor		PLM	☐	TEM	☐
47	↓ Tiles		PLM	☐	TEM	☐
48	↓		PLM	☐	TEM	☐
49	Interior Window Glazing W side		PLM	☐	TEM	☐
50	↓		PLM	☐	TEM	☐
51	↓		PLM	☐	TEM	☐
52	Interior Window Caulk W side to outside		PLM	☐	TEM	☐
53	↓		PLM	☐	TEM	☐
54	↓ window room entrance		PLM	☐	TEM	☐
55	Exterior Window Caulk W side		PLM	☐	TEM	☐
56	↓		PLM	☐	TEM	☐
57	↓		PLM	☐	TEM	☐
58	Pressboard Panels above		PLM	☐	TEM	☐
59	↓ Windows (Exterior)		PLM	☐	TEM	☐
60	↓		PLM	☐	TEM	☐



CARNOW CONIBEAR

COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name: <i>Thompson Pre Demo</i>	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
EC091918A- 61	Hard Coat Wall Plaster		PLM	☐	TEM	☐
62			PLM	☐	TEM	☐
63			PLM	☐	TEM	☐
64			PLM	☐	TEM	☐
65			PLM	☐	TEM	☐
66			PLM	☐	TEM	☐
67			PLM	☐	TEM	☐
68	4" Brown Baseboards W End		PLM	☐	TEM	☐
69			PLM	☐	TEM	☐
70			PLM	☐	TEM	☐
71	Tan Glue on Baseboard		PLM	☐	TEM	☐
72			PLM	☐	TEM	☐
73			PLM	☐	TEM	☐
74	Boiler Gasket		PLM	☐	TEM	☐
75			PLM	☐	TEM	☐
76			PLM	☐	TEM	☐
77	Boiler Mortar		PLM	☐	TEM	☐
78			PLM	☐	TEM	☐
79			PLM	☐	TEM	☐
80	Hard Filings on Fiberglass Boiler		PLM	☐	TEM	☐
81	Pipe Insulation		PLM	☐	TEM	☐
82			PLM	☐	TEM	☐
83	Water Heater Breaching		PLM	☐	TEM	☐
84			PLM	☐	TEM	☐
85			PLM	☐	TEM	☐
86	Kiln Brick		PLM	☐	TEM	☐
87			PLM	☐	TEM	☐
88			PLM	☐	TEM	☐
			PLM	☐	TEM	☐
			PLM	☐	TEM	☐



CARNOW CONIBEAR

COMPANY CONTACT INFORMATION

Company: Carnow Conibear

Job Contact:

Project Name: *Thompson Pre Demo*

Project ID #:

Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
EC091918A-89	Interior Window Glazing East side	PLM	☐	TEM ☐
90	↓	PLM	☐	TEM ☐
91	↓	PLM	☐	TEM ☐
92	Interior Window Glazing Walkway	PLM	☐	TEM ☐
93	↓	PLM	☐	TEM ☐
94	↓	PLM	☐	TEM ☐
95	Interior Window Caulk	PLM	☐	TEM ☐
96	↓	PLM	☐	TEM ☐
97	↓	PLM	☐	TEM ☐
98	Exterior Window Glazing West side	PLM	☐	TEM ☐
99	↓	PLM	☐	TEM ☐
100	↓	PLM	☐	TEM ☐
101	Exterior East side	PLM	☐	TEM ☐
102	↓	PLM	☐	TEM ☐
103	↓	PLM	☐	TEM ☐
104	Walkway	PLM	☐	TEM ☐
105	↓	PLM	☐	TEM ☐
106	↓	PLM	☐	TEM ☐
107	Exterior Door Caulk Gray	PLM	☐	TEM ☐
108	↓	PLM	☐	TEM ☐
109	↓	PLM	☐	TEM ☐
110	Interior Door Caulk Tan	PLM	☐	TEM ☐
111	↓	PLM	☐	TEM ☐
112	↓	PLM	☐	TEM ☐
113	Roof Field (1960s)	PLM	☐	TEM ☐
114	↓	PLM	☐	TEM ☐
115	↓	PLM	☐	TEM ☐
116	Roof Flashing	PLM	☐	TEM ☐
117	↓	PLM	☐	TEM ☐
118	↓	PLM	☐	TEM ☐



**CARNOW
CONIBEAR**

Company: Carnow Conibear	Job Contact:
Project Name: <i>Thompson Pre-Demos</i>	
Project ID #:	Tel:

[illegible]

September 25, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: RPS-Thompson 1957; A139670122
CEI LAB CODE: A1811181

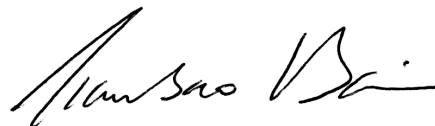
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 24, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: RPS-Thompson 1957; A139670122

LAB CODE: A1811181

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/25/18

TOTAL SAMPLES ANALYZED: 105

SAMPLES >1% ASBESTOS: 42

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson 1957; A139670122

LAB CODE: A1811181

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC091918-01		A117105A	White	Plaster	None Detected
		A117105B	White	Drywall	None Detected
EC091918-02		A117106	White	Plaster	None Detected
EC091918-03		A117107	White	Plaster	None Detected
EC091918-04		A117108A	White	Plaster	None Detected
		A117108B	White	Drywall	None Detected
EC091918-05		A117109	White	Plaster	None Detected
EC091918-06		A117110	White	Plaster	None Detected
EC091918-07		A117111	White	Plaster	None Detected
EC091918-08		A117112	White	Plaster	None Detected
EC091918-09		A117113	White	Plaster	None Detected
EC091918-10		A117114	White	Plaster	None Detected
EC091918-11		A117115	White	Plaster	None Detected
EC091918-12		A117116	White	Plaster	None Detected
EC091918-13		A117117	Tan,Brown	Floor Tile	Chrysotile 7%
EC091918-14		A117118	Tan,Brown	Floor Tile	Chrysotile 7%
EC091918-15		A117119	Tan,Brown	Floor Tile	Chrysotile 7%
EC091918-16		A117120	Black	Mastic	Chrysotile 5%
EC091918-17		A117121	Black	Mastic	Chrysotile 5%
EC091918-18		A117122	Black	Mastic	Chrysotile 5%
EC091918-19		A117123	Black	Baseboard	None Detected
EC091918-20		A117124	Black	Baseboard	None Detected
EC091918-21		A117125	Black	Baseboard	None Detected
EC091918-22		A117126	Tan	Glue	None Detected
EC091918-23		A117127	Tan	Glue	None Detected
EC091918-24		A117128	Tan	Glue	None Detected
EC091918-25		A117129	Tan,White	Tectum	None Detected
EC091918-26		A117130	Tan,White	Tectum	None Detected
EC091918-27		A117131	Tan,White	Tectum	None Detected
EC091918-28		A117132	White	Pipe Insulation	Chrysotile 7%
EC091918-29		A117133	White	Pipe Insulation	Chrysotile 7%

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson 1957; A139670122

LAB CODE: A1811181

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC091918-30		A117134	White	Pipe Insulation	Chrysotile 7%
EC091918-31		A117135	White,Gray	Ceiling Tile	None Detected
EC091918-32		A117136	White,Gray	Ceiling Tile	None Detected
EC091918-33		A117137	White,Gray	Ceiling Tile	None Detected
EC091918-35		A117138	Brown	Glue Pucks	None Detected
EC091918-36		A117139	Brown	Glue Pucks	None Detected
EC091918-37		A117140	Brown	Glue Pucks	None Detected
EC091918-38		A117141	White	Drywall	None Detected
EC091918-39		A117142	White	Drywall	None Detected
EC091918-40		A117143	White	Drywall	None Detected
EC091918-41		A117144	White	Ceiling Tile	None Detected
EC091918-42		A117145	White	Ceiling Tile	None Detected
EC091918-43		A117146	White	Ceiling Tile	None Detected
EC091918-44		A117147	White	Pipe Insulation	Chrysotile 65%
EC091918-45		A117148	White	Pipe Insulation	Chrysotile 65%
EC091918-46		A117149	White	Pipe Insulation	Chrysotile 65%
EC091918-47		A117150	Beige	Floor Tile	Chrysotile 7%
EC091918-48		A117151	Beige	Floor Tile	Chrysotile 7%
EC091918-49		A117152	Beige	Floor Tile	Chrysotile 7%
EC091918-50		A117153	Black	Mastic	Chrysotile 5%
EC091918-51		A117154	Black	Mastic	Chrysotile 5%
EC091918-52		A117155	Black	Mastic	Chrysotile 5%
EC091918-53		A117156	Beige	Floor Tile	None Detected
EC091918-54		A117157	Beige	Floor Tile	None Detected
EC091918-55		A117158	Beige	Floor Tile	None Detected
EC091918-56		A117159	Black	Mastic	Chrysotile 5%
EC091918-57		A117160	Black	Mastic	Chrysotile 5%
EC091918-58		A117161	Black	Mastic	Chrysotile 5%
EC091918-59		A117162	Tan	Carpet Mastic	None Detected
EC091918-60		A117163	Tan	Carpet Mastic	None Detected
EC091918-61		A117164	Tan	Carpet Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson 1957; A139670122

LAB CODE: A1811181

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC091918-62		A117165	White	Sink Undercoating	None Detected
EC091918-63		A117166	White	Sink Undercoating	None Detected
EC091918-64		A117167	White	Sink Undercoating	None Detected
EC091918-65		A117168	Beige	Floor Tile	None Detected
EC091918-66		A117169	Beige	Floor Tile	None Detected
EC091918-67		A117170	Red	Floor Tile	None Detected
EC091918-68		A117171	Black	Mastic	Chrysotile 3%
EC091918-69		A117172	Black	Mastic	Chrysotile 3%
EC091918-70		A117173	Black	Mastic	Chrysotile 3%
EC091918-71		A117174	Gray	Window Glazing	Chrysotile 2%
EC091918-72		A117175	Gray	Window Glazing	Chrysotile 2%
EC091918-73		A117176	Gray	Window Glazing	Chrysotile 2%
EC091918-74		A117177	Tan	Door Caulk	Chrysotile 5%
EC091918-75		A117178	Tan	Door Caulk	Chrysotile 5%
EC091918-76		A117179	Tan	Door Caulk	Chrysotile 5%
EC091918-77		A117180	Gray	Door Caulk	None Detected
EC091918-78		A117181	Gray	Door Caulk	None Detected
EC091918-79		A117182	Gray	Door Caulk	None Detected
EC091918-80		A117183	White	Window Caulk	Chrysotile 2%
EC091918-81		A117184	White	Window Caulk	Chrysotile 2%
EC091918-82		A117185	White	Window Caulk	Chrysotile 2%
EC091918-83		A117186	White	Window Glazing	Chrysotile 2%
EC091918-84		A117187	White	Window Glazing	Chrysotile 2%
EC091918-85		A117188	White	Window Glazing	Chrysotile 2%
EC091918-86		A117189	Tan	Hard Fittings On Fiberglass	None Detected
EC091918-87		A117190	Tan	Hard Fittings On Fiberglass	None Detected
EC091918-88		A117191	Tan	Hard Fittings On Fiberglass	None Detected
EC091918-89		A117192	Tan	Boiler Gasket	Chrysotile 85%
EC091918-90		A117193	Tan	Boiler Gasket	Chrysotile 85%
EC091918-91		A117194	Tan	Boiler Gasket	Chrysotile 85%
EC091918-92		A117195	Gray	Boiler Mortar Material	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: RPS-Thompson 1957; A139670122

LAB CODE: A1811181

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC091918-93		A117196	Gray	Boiler Mortar Material	None Detected
EC091918-94		A117197	Gray	Boiler Mortar Material	None Detected
EC091918-95		A117198	Yellow	Boiler Insulation	None Detected
EC091918-96		A117199	Yellow	Boiler Insulation	None Detected
EC091918-97		A117200	Yellow	Boiler Insulation	None Detected
EC091918-98		A117201	Brown	Pressboard	None Detected
EC091918-99		A117202	Brown	Pressboard	None Detected
EC091918-100		A117203	Brown	Pressboard	None Detected
EC091918-101		A117204	Green,Brown	Glue Pucks	None Detected
EC091918-102		A117205	Green,Brown	Glue Pucks	None Detected
EC091918-103		A117206	Green,Brown	Glue Pucks	None Detected
EC091918-104		A117207	Tan	Paperwrap Pipe Insulation	Chrysotile 15%
EC091918-105		A117208	Tan	Paperwrap Pipe Insulation	Chrysotile 15%
EC091918-106		A117209	Tan	Paperwrap Pipe Insulation	Chrysotile 15%

ASBESTOS BULK ANALYSIS

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600 W Van Buren St Ste 500
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Date Received: 09-24-18
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Project: RPS-Thompson 1957; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
EC091918-01 A117105A	Plaster	Heterogeneous			70%	Silicates	None Detected
		White			30%	Binder	
		Non-fibrous					
		Bound					
A117105B	Drywall	Heterogeneous	15%	Cellulose	60%	Gypsum	None Detected
		White			25%	Binder	
		Fibrous					
		Bound					
EC091918-02 A117106	Plaster	Heterogeneous			70%	Silicates	None Detected
		White			30%	Binder	
		Non-fibrous					
		Bound					
EC091918-03 A117107	Plaster	Heterogeneous			70%	Silicates	None Detected
		White			30%	Binder	
		Non-fibrous					
		Bound					
EC091918-04 A117108A	Plaster	Heterogeneous			70%	Silicates	None Detected
		White			30%	Binder	
		Non-fibrous					
		Bound					
A117108B	Drywall	Heterogeneous	15%	Cellulose	60%	Gypsum	None Detected
		White			25%	Binder	
		Fibrous					
		Bound					
EC091918-05 A117109	Plaster	Heterogeneous			70%	Silicates	None Detected
		White			30%	Binder	
		Non-fibrous					
		Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC091918-06 A117110	Plaster	Heterogeneous	70%	Silicates	None Detected
		White	30%	Binder	
		Non-fibrous			
		Bound			
EC091918-07 A117111	Plaster	Heterogeneous	70%	Silicates	None Detected
		White	30%	Binder	
		Non-fibrous			
		Bound			
EC091918-08 A117112	Plaster	Heterogeneous	70%	Silicates	None Detected
		White	30%	Binder	
		Non-fibrous			
		Bound			
EC091918-09 A117113	Plaster	Heterogeneous	70%	Silicates	None Detected
		White	30%	Binder	
		Non-fibrous			
		Bound			
EC091918-10 A117114	Plaster	Heterogeneous	70%	Silicates	None Detected
		White	30%	Binder	
		Non-fibrous			
		Bound			
EC091918-11 A117115	Plaster	Heterogeneous	70%	Silicates	None Detected
		White	30%	Binder	
		Non-fibrous			
		Bound			
EC091918-12 A117116	Plaster	Heterogeneous	70%	Silicates	None Detected
		White	30%	Binder	
		Non-fibrous			
		Bound			

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-20 A117124	Baseboard	Heterogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
EC091918-21 A117125	Baseboard	Heterogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
EC091918-22 A117126	Glue	Heterogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
EC091918-23 A117127	Glue	Heterogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
EC091918-24 A117128	Glue	Heterogeneous Tan Non-fibrous Bound			100%	Mastic	None Detected
EC091918-25 A117129	Tectum	Heterogeneous Tan,White Fibrous Bound	70%	Cellulose	20% 10%	Binder Paint	None Detected
EC091918-26 A117130	Tectum	Heterogeneous Tan,White Fibrous Bound	70%	Cellulose	20% 10%	Binder Paint	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-27 A117131	Tectum	Heterogeneous Tan,White Fibrous Bound	70%	Cellulose	20% 10%	Binder Paint	None Detected
EC091918-28 A117132	Pipe Insulation	Heterogeneous White Fibrous Bound	2%	Cellulose	91%	Binder	7% Chrysotile
EC091918-29 A117133	Pipe Insulation	Heterogeneous White Fibrous Bound	2%	Cellulose	91%	Binder	7% Chrysotile
EC091918-30 A117134	Pipe Insulation	Heterogeneous White Fibrous Bound	2%	Cellulose	91%	Binder	7% Chrysotile
EC091918-31 A117135	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	80%	Fiberglass	15% 5%	Binder Paint	None Detected
EC091918-32 A117136	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	80%	Fiberglass	15% 5%	Binder Paint	None Detected
EC091918-33 A117137	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	80%	Fiberglass	15% 5%	Binder Paint	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-35 A117138	Glue Pucks	Heterogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
EC091918-36 A117139	Glue Pucks	Heterogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
EC091918-37 A117140	Glue Pucks	Heterogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
EC091918-38 A117141	Drywall	Heterogeneous White Fibrous Bound	10% 5%	Cellulose Fiberglass	60% 20% 5%	Gypsum Binder Paint	None Detected
EC091918-39 A117142	Drywall	Heterogeneous White Fibrous Bound	10% 5%	Cellulose Fiberglass	60% 20% 5%	Gypsum Binder Paint	None Detected
EC091918-40 A117143	Drywall	Heterogeneous White Fibrous Bound	10% 5%	Cellulose Fiberglass	60% 20% 5%	Gypsum Binder Paint	None Detected
EC091918-41 A117144	Ceiling Tile	Heterogeneous White Fibrous Bound	40% 40%	Cellulose Fiberglass	15% 5%	Binder Paint	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-42 A117145	Ceiling Tile	Heterogeneous	40%	Cellulose	15%	Binder	None Detected
		White	40%	Fiberglass	5%	Paint	
		Fibrous					
		Bound					
EC091918-43 A117146	Ceiling Tile	Heterogeneous	40%	Cellulose	15%	Binder	None Detected
		White	40%	Fiberglass	5%	Paint	
		Fibrous					
		Bound					
EC091918-44 A117147	Pipe Insulation	Heterogeneous			35%	Binder	65% Chrysotile
		White					
		Fibrous					
		Bound					
EC091918-45 A117148	Pipe Insulation	Heterogeneous			35%	Binder	65% Chrysotile
		White					
		Fibrous					
		Bound					
EC091918-46 A117149	Pipe Insulation	Heterogeneous			35%	Binder	65% Chrysotile
		White					
		Fibrous					
		Bound					
EC091918-47 A117150	Floor Tile	Heterogeneous			60%	Vinyl	7% Chrysotile
		Beige			33%	Binder	
		Non-fibrous					
		Bound					
EC091918-48 A117151	Floor Tile	Heterogeneous			60%	Vinyl	7% Chrysotile
		Beige			33%	Binder	
		Non-fibrous					
		Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-56 A117159	Mastic	Heterogeneous Black Non-fibrous Bound			95%	Mastic	5% Chrysotile
EC091918-57 A117160	Mastic	Heterogeneous Black Non-fibrous Bound			95%	Mastic	5% Chrysotile
EC091918-58 A117161	Mastic	Heterogeneous Black Non-fibrous Bound			95%	Mastic	5% Chrysotile
EC091918-59 A117162	Carpet Mastic	Heterogeneous Tan Fibrous Bound	<1%	Synthetic Fiber	100%	Mastic	None Detected
EC091918-60 A117163	Carpet Mastic	Heterogeneous Tan Fibrous Bound	<1%	Synthetic Fiber	100%	Mastic	None Detected
EC091918-61 A117164	Carpet Mastic	Heterogeneous Tan Fibrous Bound	<1%	Synthetic Fiber	100%	Mastic	None Detected
EC091918-62 A117165	Sink Undercoating	Heterogeneous White Non-fibrous Bound	20%	Cellulose	15% 65%	Silicates Binder	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-63 A117166	Sink Undercoating	Heterogeneous White Non-fibrous Bound	20%	Cellulose	15% 65%	Silicates Binder	None Detected
EC091918-64 A117167	Sink Undercoating	Heterogeneous White Non-fibrous Bound	20%	Cellulose	15% 65%	Silicates Binder	None Detected
EC091918-65 A117168	Floor Tile	Heterogeneous Beige Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
EC091918-66 A117169	Floor Tile	Heterogeneous Beige Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
EC091918-67 A117170	Floor Tile	Heterogeneous Red Non-fibrous Bound			85% 15%	Vinyl Silicates	None Detected
EC091918-68 A117171	Mastic	Heterogeneous Black Fibrous Bound	2%	Cellulose	90% 5%	Mastic Silicates	3% Chrysotile
EC091918-69 A117172	Mastic	Heterogeneous Black Fibrous Bound	2%	Cellulose	90% 5%	Mastic Silicates	3% Chrysotile

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-70 A117173	Mastic	Heterogeneous	2%	Cellulose	90%	Mastic	3% Chrysotile
		Black			5%	Silicates	
		Fibrous					
		Bound					
EC091918-71 A117174	Window Glazing	Heterogeneous			68%	Binder	2% Chrysotile
		Gray			15%	Silicates	
		Non-fibrous			15%	Calc Carb	
		Bound					
EC091918-72 A117175	Window Glazing	Heterogeneous			68%	Binder	2% Chrysotile
		Gray			15%	Silicates	
		Non-fibrous			15%	Calc Carb	
		Bound					
EC091918-73 A117176	Window Glazing	Heterogeneous			68%	Binder	2% Chrysotile
		Gray			15%	Silicates	
		Non-fibrous			15%	Calc Carb	
		Bound					
EC091918-74 A117177	Door Caulk	Heterogeneous			75%	Binder	5% Chrysotile
		Tan			15%	Silicates	
		Non-fibrous			5%	Paint	
		Bound					
EC091918-75 A117178	Door Caulk	Heterogeneous			75%	Binder	5% Chrysotile
		Tan			15%	Silicates	
		Non-fibrous			5%	Paint	
		Bound					
EC091918-76 A117179	Door Caulk	Heterogeneous			75%	Binder	5% Chrysotile
		Tan			15%	Silicates	
		Non-fibrous			5%	Paint	
		Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous	Non-Fibrous	
EC091918-77 A117180	Door Caulk	Heterogeneous		10% Paint	None Detected
		Gray		80% Binder	
		Non-fibrous		10% Silicates	
		Bound			
EC091918-78 A117181	Door Caulk	Heterogeneous		10% Paint	None Detected
		Gray		80% Binder	
		Non-fibrous		10% Silicates	
		Bound			
EC091918-79 A117182	Door Caulk	Heterogeneous		10% Paint	None Detected
		Gray		80% Binder	
		Non-fibrous		10% Silicates	
		Bound			
EC091918-80 A117183	Window Caulk	Heterogeneous		5% Paint	2% Chrysotile
		White		78% Binder	
		Non-fibrous		15% Silicates	
		Bound			
EC091918-81 A117184	Window Caulk	Heterogeneous		5% Paint	2% Chrysotile
		White		78% Binder	
		Non-fibrous		15% Silicates	
		Bound			
EC091918-82 A117185	Window Caulk	Heterogeneous		5% Paint	2% Chrysotile
		White		78% Binder	
		Non-fibrous		15% Silicates	
		Bound			
EC091918-83 A117186	Window Glazing	Heterogeneous	3% Talc	15% Calc Carb	2% Chrysotile
		White		70% Binder	
		Non-fibrous		10% Silicates	
		Bound			

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-84 A117187	Window Glazing	Heterogeneous	3%	Talc	15%	Calc Carb	2% Chrysotile
		White			70%	Binder	
		Non-fibrous			10%	Silicates	
		Bound					
EC091918-85 A117188	Window Glazing	Heterogeneous	3%	Talc	15%	Calc Carb	2% Chrysotile
		White			70%	Binder	
		Non-fibrous			10%	Silicates	
		Bound					
EC091918-86 A117189	Hard Fittings On Fiberglass	Heterogeneous	15%	Fiberglass	65%	Binder	None Detected
		Tan	5%	Cellulose	5%	Silicates	
		Fibrous			10%	Calc Carb	
		Bound					
EC091918-87 A117190	Hard Fittings On Fiberglass	Heterogeneous	15%	Fiberglass	65%	Binder	None Detected
		Tan	5%	Cellulose	5%	Silicates	
		Fibrous			10%	Calc Carb	
		Bound					
EC091918-88 A117191	Hard Fittings On Fiberglass	Heterogeneous	15%	Fiberglass	65%	Binder	None Detected
		Tan	5%	Cellulose	5%	Silicates	
		Fibrous			10%	Calc Carb	
		Bound					
EC091918-89 A117192	Boiler Gasket	Heterogeneous			15%	Binder	85% Chrysotile
		Tan					
		Fibrous					
		Bound					
EC091918-90 A117193	Boiler Gasket	Heterogeneous			15%	Binder	85% Chrysotile
		Tan					
		Fibrous					
		Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918-91 A117194	Boiler Gasket	Heterogeneous Tan Fibrous Bound			15%	Binder	85% Chrysotile
EC091918-92 A117195	Boiler Mortar Material	Heterogeneous Gray Non-fibrous Bound			70% 30%	Silicates Binder	None Detected
EC091918-93 A117196	Boiler Mortar Material	Heterogeneous Gray Non-fibrous Bound			70% 30%	Silicates Binder	None Detected
EC091918-94 A117197	Boiler Mortar Material	Heterogeneous Gray Non-fibrous Bound			70% 30%	Silicates Binder	None Detected
EC091918-95 A117198	Boiler Insulation	Heterogeneous Yellow Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
EC091918-96 A117199	Boiler Insulation	Heterogeneous Yellow Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected
EC091918-97 A117200	Boiler Insulation	Heterogeneous Yellow Fibrous Bound	95%	Fiberglass	5%	Binder	None Detected

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			Fibrous		Non-Fibrous		
EC091918-98 A117201	Pressboard	Heterogeneous Brown Fibrous Bound	80%	Cellulose	20%	Binder	None Detected
EC091918-99 A117202	Pressboard	Heterogeneous Brown Fibrous Bound	80%	Cellulose	20%	Binder	None Detected
EC091918-100 A117203	Pressboard	Heterogeneous Brown Fibrous Bound	80%	Cellulose	20%	Binder	None Detected
EC091918-101 A117204	Glue Pucks	Heterogeneous Green,Brown Non-fibrous Bound			95% 5%	Mastic Silicates	None Detected
EC091918-102 A117205	Glue Pucks	Heterogeneous Green,Brown Non-fibrous Bound			95% 5%	Mastic Silicates	None Detected
EC091918-103 A117206	Glue Pucks	Heterogeneous Green,Brown Non-fibrous Bound			95% 5%	Mastic Silicates	None Detected
EC091918-104 A117207	Paperwrap Pipe Insulation	Heterogeneous Tan Fibrous Bound	55%	Cellulose	30%	Binder	15% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811181
Date Received: 09-24-18
Date Analyzed: 09-25-18
Date Reported: 09-25-18

Project: RPS-Thompson 1957; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC091918 -105 A117208	Paperwrap Pipe Insulation	Heterogeneous Tan Fibrous Bound	55%	Cellulose	30%	Binder	15% Chrysotile
EC091918 -106 A117209	Paperwrap Pipe Insulation	Heterogeneous Tan Fibrous Bound	55%	Cellulose	30%	Binder	15% Chrysotile

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

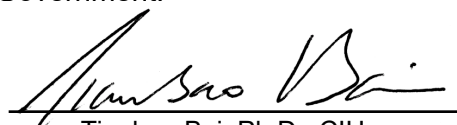
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

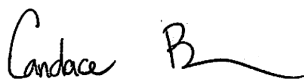
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


 Kyle Demsko

APPROVED BY:


 Tianbao Bai, Ph.D., CIH
 Laboratory Director



Candace Burrus



CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:**CEI Lab Code:**

A1811181 (105)

CEI Lab I.D. Range:

A117105-A117209

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #: 27427	Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.	Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500	Project Name: RPS - Thompson 1957
Chicago, IL 60607	Project ID# A139670122
Email:	PO #:
Tel: 312-762-2920 Fax: 312.782.5145	STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS**POSITIVE STOP ANALYSIS**☐**PLM DUE DATE:**

/ /

ANALYZE NOB'S BY TEM☐**TEM DUE DATE:**

/ /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☒	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@ccaltd.com



Accept Samples



Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Evan Christian</i>	9/21/18 11:00AM	<i>GW</i>	9/24 9:10

Samples will be disposed of 30 days after analysis


**CARNOW
CONIBEAR**
COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name: <i>Thompson PreDemo 1457 Construc.</i>	
Project ID #: <i>A139670122</i>	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
<i>EC091918-</i>	<i>01 Hard Coat Plaster over Rm 2</i>		PLM	☐	TEM	☐
	<i>02 Plaster Plaster Rm 3</i>		PLM	☐	TEM	☐
	<i>03 Hard Rm 7</i>		PLM	☐	TEM	☐
	<i>04 2nd Fl. Hall</i>		PLM	☐	TEM	☐
	<i>05 Rm 1</i>		PLM	☐	TEM	☐
	<i>06 Rm 8</i>		PLM	☐	TEM	☐
	<i>07 ↓ Principal's Office</i>		PLM	☐	TEM	☐
	<i>08 Ceiling Plaster Ground Floor Hall</i>		PLM	☐	TEM	☐
	<i>09 ↓</i>		PLM	☐	TEM	☐
	<i>10 ↓</i>		PLM	☐	TEM	☐
	<i>11 PTO</i>		PLM	☐	TEM	☐
	<i>12 ↓ PTO</i>		PLM	☐	TEM	☐
	<i>13 9x9 Floor Tile - Tan w/ Multi</i>		PLM	☐	TEM	☐
	<i>14 Brown + White Streaks 2nd Hall</i>		PLM	☐	TEM	☐
	<i>15 ↓ (District) Rm 8</i>		PLM	☐	TEM	☐
	<i>16 Mastic beneath 1'</i>		PLM	☐	TEM	☐
	<i>17 9x9 Tan Floor Tile 1'</i>		PLM	☐	TEM	☐
	<i>18 ↓ 1'</i>		PLM	☐	TEM	☐
	<i>19 4" Black Baseboard 1st Fl. Hall</i>		PLM	☐	TEM	☐
	<i>20 ↓</i>		PLM	☐	TEM	☐
	<i>21 ↓ 2nd Fl. Hall</i>		PLM	☐	TEM	☐
	<i>22 Glue on Baseboard 1'</i>		PLM	☐	TEM	☐
	<i>23 1'</i>		PLM	☐	TEM	☐
	<i>24 ↓ 1'</i>		PLM	☐	TEM	☐
	<i>25 Tectum Ceiling 2nd Hall</i>		PLM	☐	TEM	☐
	<i>26 Rm 8</i>		PLM	☐	TEM	☐
	<i>27 ↓ Rm 2</i>		PLM	☐	TEM	☐
	<i>28 Hard Fittings on Fiberglass</i>		PLM	☐	TEM	☐
	<i>29 Pipe Insulation</i>		PLM	☐	TEM	☐
<i>↓</i>	<i>30 ↓</i>		PLM	☐	TEM	☐



CARNOW CONIBEAR

COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact: <i>Erin Christian</i>
Project Name: <i>Thompson 1957</i>	
Project ID #: <i>A139670122</i>	Tel: <i>312-296-1287</i>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
<i>EC091918 - 31</i>	<i>1x1 Ceiling Tiles - Gouges Kitchen</i>		PLM ☐	TEM ☐
<i>32</i>	<i>+ Pinholes</i>		PLM ☐	TEM ☐
<i>33</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>35</i>	<i>Five Rocks assoc. w/</i>		PLM ☐	TEM ☐
<i>36</i>	<i>1x1 Ceiling tiles</i>		PLM ☐	TEM ☐
<i>37</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>38</i>	<i>Dry wall 2nd Fl. Hall</i>		PLM ☐	TEM ☐
<i>39</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>40</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>41</i>	<i>2x4 Ceiling Tiles - Multipurpose</i>		PLM ☐	TEM ☐
<i>42</i>	<i>Large + Small Pinholes</i>		PLM ☐	TEM ☐
<i>43</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>44</i>	<i>Aircell Pipe Insulation</i>		PLM ☐	TEM ☐
<i>45</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>46</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>47</i>	<i>9x9 Floor Tile - Tan w/Brown 2nd Hall</i>		PLM ☐	TEM ☐
<i>48</i>	<i>+ White streaks</i>		PLM ☐	TEM ☐
<i>49</i>	<i>(Faint) 1st Hall</i>		PLM ☐	TEM ☐
<i>50</i>	<i>Mastic on 9x9</i>		PLM ☐	TEM ☐
<i>51</i>	<i>Floor Tile</i>		PLM ☐	TEM ☐
<i>52</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>53</i>	<i>12x12 Floor Tiles - Beige Rm 6</i>		PLM ☐	TEM ☐
<i>54</i>	<i>w/ Black + White</i>		PLM ☐	TEM ☐
<i>55</i>	<i>Specks</i>		PLM ☐	TEM ☐
<i>56</i>	<i>Mastic beneath</i>		PLM ☐	TEM ☐
<i>57</i>	<i>12x12 Beige Tiles</i>		PLM ☐	TEM ☐
<i>58</i>	<i>↓</i>		PLM ☐	TEM ☐
<i>59</i>	<i>Tan Carpet Mastic Rm 2</i>		PLM ☐	TEM ☐
<i>60</i>	<i>Rm 3</i>		PLM ☐	TEM ☐
<i>61</i>	<i>↓ Rm 1</i>		PLM ☐	TEM ☐



A1811181

**CARNOW
CONIBEAR**

COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name: <i>Thompson Pre Demo</i>	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
EC091918- 62	White Sink Undercoating Nurse	PLM	☐	TEM ☐
63	↓	PLM	☐	TEM ☐
64	↓	PLM	☐	TEM ☐
65	12x12 Red+Beige	PLM	☐	TEM ☐
66	↓ Replacement Floor Tiles	PLM	☐	TEM ☐
67	↓	PLM	☐	TEM ☐
68	Mastic beneath	PLM	☐	TEM ☐
69	↓ Replacement Tiles	PLM	☐	TEM ☐
70	↓	PLM	☐	TEM ☐
71	Interior Window Glazing Pmt	PLM	☐	TEM ☐
72	↓ Rm 8	PLM	☐	TEM ☐
73	↓ Rm 9	PLM	☐	TEM ☐
74	Interior Door Caulk	PLM	☐	TEM ☐
75	↓	PLM	☐	TEM ☐
76	↓	PLM	☐	TEM ☐
77	Exterior Door Caulk	PLM	☐	TEM ☐
78	↓	PLM	☐	TEM ☐
79	↓	PLM	☐	TEM ☐
80	Exterior Window Caulk	PLM	☐	TEM ☐
81	(white)	PLM	☐	TEM ☐
82	↓	PLM	☐	TEM ☐
83	Exter Window Glazing	PLM	☐	TEM ☐
84	(white)	PLM	☐	TEM ☐
85	↓	PLM	☐	TEM ☐
86	Hand fittings on fiberglass (Boiler)	PLM	☐	TEM ☐
87	↓	PLM	☐	TEM ☐
88	↓	PLM	☐	TEM ☐
89	Boiler Gasket	PLM	☐	TEM ☐
90	↓	PLM	☐	TEM ☐
91	↓	PLM	☐	TEM ☐



**CARNOW
CONIBEAR**

Company: Carnow Conibear	Job Contact:
Project Name: <i>Thompson 1957</i>	
Project ID #:	Tel:

[illegible]

October 3, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: Thompson PreDemo; A139670122
CEI LAB CODE: A1811911

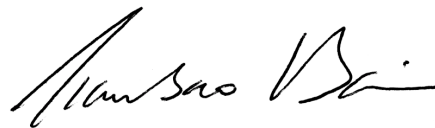
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 3, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: Thompson PreDemo; A139670122

LAB CODE: A1811911

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/03/18

TOTAL SAMPLES ANALYZED: 12

SAMPLES >1% ASBESTOS:

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Thompson PreDemo; A139670122

LAB CODE: A1811911

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC100118B-01		A129725	Tan	Insulation	None Detected
EC100118B-02		A129726	Tan	Insulation	None Detected
EC100118B-03		A129727	Tan	Insulation	None Detected
EC100118B-04		A129728	Brown	Pressboard	None Detected
EC100118B-05		A129729	Brown	Pressboard	None Detected
EC100118B-06		A129730	Brown	Pressboard	None Detected
EC100118B-07		A129731	Gray	Chalkboard	Chrysotile <1%
EC100118B-08		A129732	Gray	Chalkboard	Chrysotile <1%
EC100118B-09		A129733	Gray	Chalkboard	Chrysotile <1%
EC100118B-10		A129734	Black	Tar Barrier	None Detected
EC100118B-11		A129735	Black	Tar Barrier	None Detected
EC100118B-12		A129736	Black	Tar Barrier	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811911
Date Received: 10-03-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: Thompson PreDemo; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC100118B-01 A129725	Insulation	Heterogeneous Tan Fibrous Loose	5%	Cellulose	25% 70%	Vermiculite Binder	None Detected
EC100118B-02 A129726	Insulation	Heterogeneous Tan Fibrous Loose	5%	Cellulose	25% 70%	Vermiculite Binder	None Detected
EC100118B-03 A129727	Insulation	Heterogeneous Tan Fibrous Loose	5%	Cellulose	25% 70%	Vermiculite Binder	None Detected
EC100118B-04 A129728	Pressboard	Heterogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
EC100118B-05 A129729	Pressboard	Heterogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
EC100118B-06 A129730	Pressboard	Heterogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
EC100118B-07 A129731	Chalkboard	Heterogeneous Gray Non-fibrous Tightly Bound			100%	Binder	<1% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811911
Date Received: 10-03-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: Thompson PreDemo; A139670122

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC100118B-08 A129732	Chalkboard	Heterogeneous Gray Non-fibrous Tightly Bound			100%	Binder	<1% Chrysotile
EC100118B-09 A129733	Chalkboard	Heterogeneous Gray Non-fibrous Tightly Bound			100%	Binder	<1% Chrysotile
EC100118B-10 A129734	Tar Barrier	Heterogeneous Black Fibrous Bound	35% 5%	Fiberglass Cellulose	20% 40%	Silicates Tar	None Detected
EC100118B-11 A129735	Tar Barrier	Heterogeneous Black Fibrous Bound	35% 5%	Fiberglass Cellulose	20% 40%	Silicates Tar	None Detected
EC100118B-12 A129736	Tar Barrier	Heterogeneous Black Fibrous Bound	35% 5%	Fiberglass Cellulose	20% 40%	Silicates Tar	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

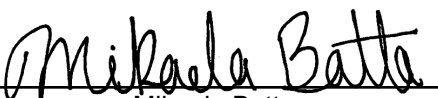
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

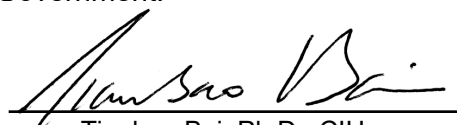
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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ANALYST:


 Mikaela Batta

APPROVED BY:


 Tianbao Bai, Ph.D., CIH
 Laboratory Director



CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:**CEI Lab Code:**

A1811961 (12)

CEI Lab I.D. Range:

A129725-A129736

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #: 27427		Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.		Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500		Project Name: Thompson PreDemo
Chicago, IL 60607		Project ID# A139670122
Email:		PO #:
Tel: 312-762-2920 Fax: 312.782.5145		STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS		
POSITIVE STOP ANALYSIS	☐	PLM DUE DATE: / /
ANALYZE NOB'S BY TEM	☐	TEM DUE DATE: / /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@ccaltd.com

- ☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Evan Christian</i>	10/1/18 1:00pm	<i>EW</i>	10/3 9:20

Samples will be disposed of 30 days after analysis



**CARNOW
CONIBEAR**

Company: Carnow Conibear	Job Contact: <i>Evan Christian</i>
Project Name: <i>Thompson PreDemo</i>	
Project ID #:	Tel: <i>312-296-1287</i>

[illegible]

ATTACHMENT B

Evan Christian

Illinois Licensed Building Inspector, Project Manager, Air
Sampling Professional and Management Planner



ASBESTOS PROFESSIONAL LICENSE

ID NUMBER

100 - 19466

ISSUED

3/15/2018

EXPIRES

05/15/2019

EVAN I CHRISTIAN

600 W VAN BUREN ST., STE 5
CHICAGO, IL 60607

Environmental Health



ENDORSEMENTS

TC EXPIRES

INSPECTOR

11/28/2018

MANAGEMENT PLANNER

1/5/2019

PROJECT MANAGER

12/5/2018

AIR SAMPLING PROFESSIONAL

Alteration of this license shall result in legal action

This license issued under authority of the State of Illinois
Department of Public Health

This license is valid only when accompanied by a valid
training course certificate.

**CARNOW
CONIBEAR**

2017



OCCUPATIONAL TRAINING & SUPPLY, INC.

7233 S. Adams Street ♦ Willowbrook, IL 60527 ♦ (630) 655-3900 ♦ www.otssafety.com

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Evan Christian

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency response Act (AHERA) and TSCA Title II.

Course Date: 11/28/2017

Exam Date: 11/28/2017

Expiration Date: 11/28/2018

Certificate Number: BIR1711284928

Kathy DeSalvo, Director



October 4, 2018

Mr. Guy Carynski
Environmental Coordinator
Rockford School District
1907 Kishwaukee Street
Rockford, IL 61104

**RE: Pre-demolition Asbestos Inspection Report
White Swan School – 7550 Mill Road, Rockford, IL 61108
Carnow Conibear Project No.: A139670124**

Dear Mr. Carynski,

Please find the attached summary and results of the pre-demolition asbestos inspection performed by Carnow, Conibear & Assoc., Ltd. (Carnow Conibear) at the above referenced property. The inspection and sampling was performed to determine the presence of asbestos-containing building materials prior to demolition. The surveys and sampling were conducted August 30, 2018 and September 21, 2018. Sampling was conducted by Carnow Conibear representative Mr. Evan Christian, licensed by the Illinois Department of Public Health (IDPH) as an Asbestos Building Inspector.

CEI Labs (CEI) performed all related asbestos sample analysis. Analysis was completed by Polarized Light Microscopy (PLM) at 400x magnification. PLM is the EPA recommended laboratory method for the identification of asbestos in bulk building materials. CEI is accredited for asbestos bulk sample analysis by PLM through NIST's National Voluntary Laboratory Accreditation Program (NVLAP).

The results of the sampling are presented in the following tables.

**Table I
Asbestos Sample Results
Rockford Public Schools – White Swan School
7550 Mill Road, Rockford, IL 61108**

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC083018-01 thru 03	9"x9" Floor Tiles – Light Brown	Multi-Purpose Room, Main Office beneath Carpet, Portions of Corridors, Various Rooms	10% Chrysotile Asbestos	Removal/Abatement prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – White Swan School
7550 Mill Road, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC083018-04 thru 06	Black Mastic beneath 9"x9" Floor Tiles – Light Brown	Multi-Purpose Room, Main Office beneath Carpet, Portions of Corridors, Various Rooms	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-07 thru 09	Yellow Carpet Glue	Main Office, Library, 110, 111	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-10 thru 12	4" Black Baseboard	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-13 thru 15	Yellow Glue behind 4" Black Baseboard	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-16 thru 18	Pipe Joint Insulation on Fiberglass Insulated Pipes	Throughout Building	5% Chrysotile, 2% Amosite Asbestos	Removal/Abatement prior to Demolition
EC083018-19 thru 21	12"x12" Floor Tiles – Black and White	West Stairwell, 1 st Floor East Corridor, 111, Library Workroom	3% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-22 thru 24	Black Mastic beneath 12"x12" Floor Tiles – Black and White	West Stairwell, 1 st Floor East Corridor, 111, Library Workroom	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-25 thru 27	Drywall	Various Areas	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-28 thru 30	Drywall Joint Compound	Various Areas	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-31 thru 33	Tectum Ceiling Panels	Gymnasium	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-34 thru 36	Red Terrazzo	1 st Floor West Restrooms	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-37 thru 39	9"x9" Floor Tiles – Red/Brown	Corridors, Classrooms	10% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-40 thru 42	Black Mastic beneath 9"x9" Floor Tiles – Red/Brown	Corridors, Classrooms	Asbestos Not Detected	No Action Required prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – White Swan School
7550 Mill Road, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC083018-43 thru 45	12"x12" Floor Tiles – Tan, Brown, White	Kitchen	7% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-46 thru 48	Black Mastic beneath 12"x12" Floor Tiles – Tan, Brown, White	Kitchen	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-49 thru 51	12"x12" Floor Tiles – Gray and Black	1 st Floor East Corridor	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-52 thru 54	Tan Mastic beneath 12"x12" Floor Tiles – Gray and Black	1 st Floor East Corridor	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-56 thru 58	Hard Coat Plaster	Various Areas	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-59 thru 61	12"x12" Floor Tiles – Red	1 st and 2 nd Floor East Hallway, 211	Asbestos Not Detected	Removal/Abatement prior to Demolition (Associated Mastic Contains Asbestos)
EC083018-62 thru 64	Black Mastic beneath 12"x12" Floor Tiles – Red	1 st and 2 nd Floor East Hallway, 211	3% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-65 thru 67	12"x12" Floor Tiles - Blue	1 st Floor East Hallway	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-68 thru 70	Tan Mastic beneath 12"x12" Floor Tiles - Blue	1 st Floor East Hallway	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-71 thru 73	Pressboard Sound Panels	Library	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-74 thru 76	Olive Laminate Stair Treads	Library Upper Workroom	<1% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-77 thru 79	Black Mastic beneath Olive Laminate Stair Treads	Library Upper Workroom	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-80 thru 82	Wood Grain Laminate Counter Top	Library Upper Workroom	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-83 thru 85	12"x12" Floor Tiles – Light Blue and Dark Blue	209	Asbestos Not Detected	Removal/Abatement prior to Demolition (Associated Mastic Contains Asbestos)

Table I
Asbestos Sample Results
Rockford Public Schools – White Swan School
7550 Mill Road, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC083018-86 thru 88	Black Mastic beneath 12"x12" Floor Tiles – Light Blue and Dark Blue	209	3% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-89 thru 91	12"x12" Floor Tiles – White with Black Spots	2 nd Floor SW Workroom	3% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-92 thru 94	Black Mastic beneath 12"x12" Floor Tiles – White with Black Spots	2 nd Floor SW Workroom	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-95 thru 97	Red Marble Pattern Stair Tread	2 nd Floor SW Workroom	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-98 thru 100	Tan Mastic beneath Red Marble Pattern Stair Tread	2 nd Floor SW Workroom	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-101 thru 103	Interior Window Caulk	Windows Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-104 thru 106	Gray/White Exterior Window Glazing Putty	Windows Throughout	2% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC083018-107 thru 109	Gray Exterior Window Caulk	Windows Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-110 thru 112	Gray Exterior Univent Caulk	Exterior Univent Louvers	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-113 thru 115	Gray Exterior Door Caulk	Doors to Exterior Throughout	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-116 thru 118	Breeching Elbow Insulation on Fiberglass Insulated Boiler Breeching	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-119 thru 121	Boiler Gaskets	Boiler Room	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-122 thru 124	White Laminate Counter Top	Kitchen	Asbestos Not Detected	No Action Required prior to Demolition
EC083018-125 thru 127	2'x4' Ceiling Tiles - Gouges	Library	Asbestos Not Detected	No Action Required prior to Demolition

Table I
Asbestos Sample Results
Rockford Public Schools – White Swan School
7550 Mill Road, Rockford, IL 61108

SAMPLE NO.	MATERIAL	GENERAL LOCATIONS	ASBESTOS SAMPLE RESULT	COMMENTS
EC093018-128 thru 130	2'x4' Ceiling Tiles – Smooth Gypsum	110 Restrooms	Asbestos Not Detected	No Action Required prior to Demolition
EC093018-131 thru 133	Exterior Cement Plaster	Exterior Overhangs	Asbestos Not Detected	No Action Required prior to Demolition
EC090218-01 thru 03	Roof Field	Main Building	Asbestos Not Detected	No Action Required prior to Demolition
EC090218-04 thru 06	Roof Flashing	Main Building	Asbestos Not Detected	No Action Required prior to Demolition
EC090218-07 thru 09	Roof Field	Addition Building	10% Chrysotile Asbestos	Removal/Abatement prior to Demolition
EC100118A-01 thru 03	Tan Chalkboard Adhesive	Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC100118A-04 thru 06	White Floor Leveling Compound	Various Areas Throughout Building	Asbestos Not Detected	No Action Required prior to Demolition
EC100118A-07 thru 09	Transite-type Chalkboard	Workroom between 205/207	20% Chrysotile Asbestos	Removal/Abatement prior to Demolition

Based on the results of the inspections and sampling Carnow Conibear recommends the following prior to demolition at White Swan School located at 7550 Mill Road, Rockford, Illinois 61108.

- **Asbestos Abatement** - Removal and disposal of all identified asbestos containing materials per applicable EPA and OSHA asbestos regulations. Abatement by Illinois Licensed Asbestos Abatement Contractor.

See Attachment A for laboratory reports and sample chain of custody documentation and Attachment B for Inspector License and Current Accreditation.

Please feel free to contact me directly at 312.762.2925 or echristian@caltld.com should you have any questions or require any additional information.

Sincerely,

CARNOW, CONIBEAR & ASSOC., LTD.

A handwritten signature in black ink, appearing to read "Evan Christian". The signature is fluid and cursive, with the first name "Evan" and last name "Christian" clearly distinguishable.

Evan Christian
Senior Project Manager
Licensed Asbestos Inspector

ATTACHMENT A

September 13, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: White Swan Pre Demo; A139670124
CEI LAB CODE: B188333

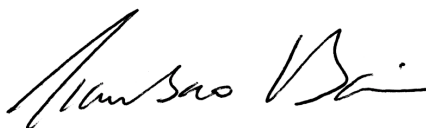
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 11, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: White Swan Pre Demo; A139670124

LAB CODE: B188333

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/13/18

TOTAL SAMPLES ANALYZED: 132

SAMPLES >1% ASBESTOS: 29

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: White Swan Pre Demo; A139670124

LAB CODE: B188333

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC083018-01		B101665	Brown	Floor Tile	Chrysotile 10%
EC083018-02		B101666	Brown	Floor Tile	Chrysotile 10%
EC083018-03		B101667	Brown	Floor Tile	Chrysotile 10%
EC083018-04		B101668	Black	Mastic	None Detected
EC083018-05		B101669	Black	Mastic	None Detected
EC083018-06		B101670	Black	Mastic	None Detected
EC083018-07		B101671	Yellow	Carpet Mastic	None Detected
EC083018-08		B101672	Yellow	Carpet Mastic	None Detected
EC083018-09		B101673	Yellow	Carpet Mastic	None Detected
EC083018-10		B101674	Black	Baseboard	None Detected
EC083018-11		B101675	Black	Baseboard	None Detected
EC083018-12		B101676	Black	Baseboard	None Detected
EC083018-13		B101677	Yellow	Glue	None Detected
EC083018-14		B101678	Yellow	Glue	None Detected
EC083018-15		B101679	Yellow	Glue	None Detected
EC083018-16		B101680	Off-white	Pipe Insulation	Chrysotile 5% Amosite 2%
EC083018-17		B101681	Off-white	Pipe Insulation	Chrysotile 5% Amosite 2%
EC083018-18		B101682	Off-white	Pipe Insulation	Chrysotile 5% Amosite 2%
EC083018-19		B101683	Black,White	Floor Tile	Chrysotile 3%
EC083018-20		B101684	Black,White	Floor Tile	Chrysotile 3%
EC083018-21		B101685	Black,White	Floor Tile	Chrysotile 3%
EC083018-22		B101686	Black	Mastic	None Detected
EC083018-23		B101687	Black	Mastic	None Detected
EC083018-24		B101688	Black	Mastic	None Detected
EC083018-25		B101689	White	Drywall/Joint Compound	None Detected
EC083018-26		B101690	White	Drywall/Joint Compound	None Detected
EC083018-27		B101691	White	Drywall/Joint Compound	None Detected
EC083018-28		B101692	White	Joint Compound	None Detected
EC083018-29		B101693	White	Joint Compound	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: White Swan Pre Demo; A139670124

LAB CODE: B188333

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC083018-30		B101694	White	Joint Compound	None Detected
EC083018-31		B101695	White	Tectum Ceiling	None Detected
EC083018-32		B101696	White	Tectum Ceiling	None Detected
EC083018-33		B101697	White	Tectum Ceiling	None Detected
EC083018-34		B101698	Red,Brown	Terrazzo	None Detected
EC083018-35		B101699	Red,Brown	Terrazzo	None Detected
EC083018-36		B101700	Red,Brown	Terrazzo	None Detected
EC083018-37		B101701	Brown,Red	Floor Tile	Chrysotile 10%
EC083018-38		B101702	Brown,Red	Floor Tile	Chrysotile 10%
EC083018-39		B101703	Brown,Red	Floor Tile	Chrysotile 10%
EC083018-40		B101704	Black	Mastic	None Detected
EC083018-41		B101705	Black	Mastic	None Detected
EC083018-42		B101706	Black	Mastic	None Detected
EC083018-43		B101707	Brown,White	Floor Tile	Chrysotile 7%
EC083018-44		B101708	Brown,White	Floor Tile	Chrysotile 7%
EC083018-45		B101709	Brown,White	Floor Tile	Chrysotile 7%
EC083018-46		B101710	Black	Mastic	None Detected
EC083018-47		B101711	Black	Mastic	None Detected
EC083018-48		B101712	Black	Mastic	None Detected
EC083018-49		B101713	Black,Gray	Floor Tile	None Detected
EC083018-50		B101714	Black,Gray	Floor Tile	None Detected
EC083018-51		B101715	Black,Gray	Floor Tile	None Detected
EC083018-52		B101716	Yellow	Mastic	None Detected
EC083018-53		B101717	Yellow	Mastic	None Detected
EC083018-54		B101718	Yellow	Mastic	None Detected
EC083018-56		B101719	White,Gray	Plaster	None Detected
EC083018-57		B101720	White,Gray	Plaster	None Detected
EC083018-58		B101721	White,Gray	Plaster	None Detected
EC083018-59		B101722	Red	Floor Tile	None Detected
EC083018-60		B101723	Red	Floor Tile	None Detected
EC083018-61		B101724	Red	Floor Tile	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: White Swan Pre Demo; A139670124

LAB CODE: B188333

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC083018-62		B101725	Black	Mastic	Chrysotile 3%
EC083018-63		B101726	Black	Mastic	Chrysotile 3%
EC083018-64		B101727	Black	Mastic	Chrysotile 3%
EC083018-65		B101728	Gray,Blue	Floor Tile	None Detected
EC083018-66		B101729	Gray,Blue	Floor Tile	None Detected
EC083018-67		B101730	Gray,Blue	Floor Tile	None Detected
EC083018-68		B101731	Yellow	Mastic	None Detected
EC083018-69		B101732	Yellow	Mastic	None Detected
EC083018-70		B101733	Yellow	Mastic	None Detected
EC083018-71		B101734	Tan	Fiberboard	None Detected
EC083018-72		B101735	Tan	Fiberboard	None Detected
EC083018-73		B101736	Tan	Fiberboard	None Detected
EC083018-74		B101737	Olive	Stair Tread	Chrysotile <1%
EC083018-75		B101738	Olive	Stair Tread	Chrysotile <1%
EC083018-76		B101739	Olive	Stair Tread	Chrysotile <1%
EC083018-77		B101740	Black	Mastic	None Detected
EC083018-78		B101741	Black	Mastic	None Detected
EC083018-79		B101742	Black	Mastic	None Detected
EC083018-80		B101743	Brown	Counter Top	None Detected
EC083018-81		B101744	Brown	Counter Top	None Detected
EC083018-82		B101745	Brown	Counter Top	None Detected
EC083018-83		B101746	Blue	Floor Tile	None Detected
EC083018-84		B101747	Blue	Floor Tile	None Detected
EC083018-85		B101748	Blue	Floor Tile	None Detected
EC083018-86		B101749	Black	Mastic	Chrysotile 3%
EC083018-87		B101750	Black	Mastic	Chrysotile 3%
EC083018-88		B101751	Black	Mastic	Chrysotile 3%
EC083018-89		B101752	White,Black	Floor Tile	Chrysotile 3%
EC083018-90		B101753	White,Black	Floor Tile	Chrysotile 3%
EC083018-91		B101754	White,Black	Floor Tile	Chrysotile 3%
EC083018-92		B101755	Black	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: White Swan Pre Demo; A139670124

LAB CODE: B188333

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC083018-93		B101756	Black	Mastic	None Detected
EC083018-94		B101757	Black	Mastic	None Detected
EC083018-95		B101758	Red,Brown	Stair Tread	None Detected
EC083018-96		B101759	Red,Brown	Stair Tread	None Detected
EC083018-97		B101760	Red,Brown	Stair Tread	None Detected
EC083018-98		B101761	Yellow	Mastic	Chrysotile 2%
EC083018-99		B101762	Yellow	Mastic	Chrysotile 2%
EC083018-100		B101763	Yellow	Mastic	Chrysotile 2%
EC083018-101		B101764	White	Window Caulking	None Detected
EC083018-102		B101765	White	Window Caulking	None Detected
EC083018-103		B101766	White	Window Caulking	None Detected
EC083018-104		B101767	White	Window Glazing	Chrysotile 2%
EC083018-105		B101768	White	Window Glazing	Chrysotile 2%
EC083018-106		B101769	White	Window Glazing	None Detected
EC083018-107		B101770	Gray	Window Caulking	None Detected
EC083018-108		B101771	Gray	Window Caulking	None Detected
EC083018-109		B101772	Gray	Window Caulking	None Detected
EC083018-110		B101773	Gray	Window Caulking	None Detected
EC083018-111		B101774	Gray	Window Caulking	None Detected
EC083018-112		B101775	Gray	Window Caulking	None Detected
EC083018-113		B101776	Gray	Door Caulk	None Detected
EC083018-114		B101777	Gray	Door Caulk	None Detected
EC083018-115		B101778	Gray	Door Caulk	None Detected
EC083018-116		B101779	Off-white	Pipe Elbows	None Detected
EC083018-117		B101780	Off-white	Pipe Elbows	None Detected
EC083018-118		B101781	Off-white	Pipe Elbows	None Detected
EC083018-119		B101782	White	Boiler Gasket	None Detected
EC083018-120		B101783	White	Boiler Gasket	None Detected
EC083018-121		B101784	White	Boiler Gasket	None Detected
EC083018-122		B101785	Brown	Counter Top	None Detected
EC083018-123		B101786	Brown	Counter Top	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: White Swan Pre Demo; A139670124

LAB CODE: B188333

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC083018-124		B101787	Brown	Counter Top	None Detected
EC083018-125		B101788	White	Ceiling Tile	None Detected
EC083018-126		B101789	White	Ceiling Tile	None Detected
EC083018-127		B101790	White	Ceiling Tile	None Detected
EC083018-128		B101791	White	Ceiling Tile	None Detected
EC083018-129		B101792	White	Ceiling Tile	None Detected
EC083018-130		B101793	White	Ceiling Tile	None Detected
EC083018-131		B101794	White,Gray	Cement	None Detected
EC083018-132		B101795	White,Gray	Cement	None Detected
EC083018-133		B101796	White,Gray	Cement	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: B188333
Date Received: 09-11-18
Date Analyzed: 09-12-18
Date Reported: 09-13-18

Project: White Swan Pre Demo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC083018-01 B101665	Floor Tile	Homogeneous Brown Non-fibrous Bound		90% Vinyl	10% Chrysotile
EC083018-02 B101666	Floor Tile	Homogeneous Brown Non-fibrous Bound		90% Vinyl	10% Chrysotile
EC083018-03 B101667	Floor Tile	Homogeneous Brown Non-fibrous Bound		90% Vinyl	10% Chrysotile
EC083018-04 B101668	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
EC083018-05 B101669	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
EC083018-06 B101670	Mastic	Homogeneous Black Non-fibrous Bound		100% Mastic	None Detected
EC083018-07 B101671	Carpet Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: B188333
Date Received: 09-11-18
Date Analyzed: 09-12-18
Date Reported: 09-13-18

Project: White Swan Pre Demo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC083018-08 B101672	Carpet Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
EC083018-09 B101673	Carpet Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
EC083018-10 B101674	Baseboard	Homogeneous Black Non-fibrous Bound		100% Vinyl	None Detected
EC083018-11 B101675	Baseboard	Homogeneous Black Non-fibrous Bound		100% Vinyl	None Detected
EC083018-12 B101676	Baseboard	Homogeneous Black Non-fibrous Bound		100% Vinyl	None Detected
EC083018-13 B101677	Glue	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
EC083018-14 B101678	Glue	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: B188333
Date Received: 09-11-18
Date Analyzed: 09-12-18
Date Reported: 09-13-18

Project: White Swan Pre Demo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC083018-15 B101679	Glue	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
EC083018-16 B101680	Pipe Insulation	Heterogeneous Off-white Fibrous Loosely Bound	20%	Cellulose	28%	Calc Carb	5% Chrysotile 2% Amosite
			20%	Fiberglass	25%	Binder	
EC083018-17 B101681	Pipe Insulation	Heterogeneous Off-white Fibrous Loosely Bound	20%	Cellulose	28%	Calc Carb	5% Chrysotile 2% Amosite
			20%	Fiberglass	25%	Binder	
EC083018-18 B101682	Pipe Insulation	Heterogeneous Off-white Fibrous Loosely Bound	20%	Cellulose	28%	Calc Carb	5% Chrysotile 2% Amosite
			20%	Fiberglass	25%	Binder	
EC083018-19 B101683	Floor Tile	Homogeneous Black,White Non-fibrous Bound			97%	Vinyl	3% Chrysotile
EC083018-20 B101684	Floor Tile	Homogeneous Black,White Non-fibrous Bound			97%	Vinyl	3% Chrysotile
EC083018-21 B101685	Floor Tile	Homogeneous Black,White Non-fibrous Bound			97%	Vinyl	3% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: B188333
Date Received: 09-11-18
Date Analyzed: 09-12-18
Date Reported: 09-13-18

Project: White Swan Pre Demo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC083018-22 B101686	Mastic	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC083018-23 B101687	Mastic	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC083018-24 B101688	Mastic	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC083018-25 B101689	Drywall/Joint Compound	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	5% 80%	Calc Carb Gypsum	None Detected
EC083018-26 B101690	Drywall/Joint Compound	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	5% 80%	Calc Carb Gypsum	None Detected
EC083018-27 B101691	Drywall/Joint Compound	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	5% 80%	Calc Carb Gypsum	None Detected
EC083018-28 B101692	Joint Compound	Heterogeneous White Non-fibrous Loosely Bound			80% 20%	Calc Carb Paint	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous		Non-Fibrous		
EC083018-29 B101693	Joint Compound	Heterogeneous			80%	Calc Carb	None Detected
		White			20%	Paint	
		Non-fibrous					
		Loosely Bound					
EC083018-30 B101694	Joint Compound	Heterogeneous			80%	Calc Carb	None Detected
		White			20%	Paint	
		Non-fibrous					
		Loosely Bound					
EC083018-31 B101695	Tectum Ceiling	Heterogeneous	80%	Cellulose	20%	Binder	None Detected
		White					
		Fibrous					
		Loosely Bound					
EC083018-32 B101696	Tectum Ceiling	Heterogeneous	80%	Cellulose	20%	Binder	None Detected
		White					
		Fibrous					
		Loosely Bound					
EC083018-33 B101697	Tectum Ceiling	Heterogeneous	80%	Cellulose	20%	Binder	None Detected
		White					
		Fibrous					
		Loosely Bound					
EC083018-34 B101698	Terrazzo	Heterogeneous			75%	Silicates	None Detected
		Red,Brown			25%	Binder	
		Non-fibrous					
		Tightly Bound					
EC083018-35 B101699	Terrazzo	Heterogeneous			75%	Silicates	None Detected
		Red,Brown			25%	Binder	
		Non-fibrous					
		Tightly Bound					

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous	Non-Fibrous	
EC083018-36 B101700	Terrazzo	Heterogeneous		75% Silicates	None Detected
		Red,Brown		25% Binder	
		Non-fibrous			
		Tightly Bound			
EC083018-37 B101701	Floor Tile	Homogeneous		90% Vinyl	10% Chrysotile
		Brown,Red			
		Non-fibrous			
		Bound			
EC083018-38 B101702	Floor Tile	Homogeneous		90% Vinyl	10% Chrysotile
		Brown,Red			
		Non-fibrous			
		Bound			
EC083018-39 B101703	Floor Tile	Homogeneous		90% Vinyl	10% Chrysotile
		Brown,Red			
		Non-fibrous			
		Bound			
EC083018-40 B101704	Mastic	Homogeneous		100% Mastic	None Detected
		Black			
		Non-fibrous			
		Bound			
EC083018-41 B101705	Mastic	Homogeneous		100% Mastic	None Detected
		Black			
		Non-fibrous			
		Bound			
EC083018-42 B101706	Mastic	Homogeneous		100% Mastic	None Detected
		Black			
		Non-fibrous			
		Bound			

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous	Non-Fibrous	
EC083018-43 B101707	Floor Tile	Homogeneous Brown, White Non-fibrous Bound	93%	Vinyl	7% Chrysotile
EC083018-44 B101708	Floor Tile	Homogeneous Brown, White Non-fibrous Bound	93%	Vinyl	7% Chrysotile
EC083018-45 B101709	Floor Tile	Homogeneous Brown, White Non-fibrous Bound	93%	Vinyl	7% Chrysotile
EC083018-46 B101710	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic	None Detected
EC083018-47 B101711	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic	None Detected
EC083018-48 B101712	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic	None Detected
EC083018-49 B101713	Floor Tile	Homogeneous Black, Gray Non-fibrous Bound	100%	Vinyl	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous	Non-Fibrous	
EC083018-50 B101714	Floor Tile	Homogeneous Black, Gray Non-fibrous Bound		100% Vinyl	None Detected
EC083018-51 B101715	Floor Tile	Homogeneous Black, Gray Non-fibrous Bound		100% Vinyl	None Detected
EC083018-52 B101716	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
EC083018-53 B101717	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
EC083018-54 B101718	Mastic	Homogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
EC083018-56 B101719	Plaster	Heterogeneous White, Gray Non-fibrous Bound	30% 30% 40%	Binder Perlite Silicates	None Detected
EC083018-57 B101720	Plaster	Heterogeneous White, Gray Non-fibrous Bound	30% 30% 40%	Binder Perlite Silicates	None Detected

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			Fibrous	Non-Fibrous	
EC083018-58 B101721	Plaster	Heterogeneous		30% Binder	None Detected
		White, Gray		30% Perlite	
		Non-fibrous		40% Silicates	
		Bound			
EC083018-59 B101722	Floor Tile	Homogeneous		100% Vinyl	None Detected
		Red			
		Non-fibrous Bound			
EC083018-60 B101723	Floor Tile	Homogeneous		100% Vinyl	None Detected
		Red			
		Non-fibrous Bound			
EC083018-61 B101724	Floor Tile	Homogeneous		100% Vinyl	None Detected
		Red			
		Non-fibrous Bound			
EC083018-62 B101725	Mastic	Homogeneous		97% Mastic	3% Chrysotile
		Black			
		Non-fibrous Bound			
EC083018-63 B101726	Mastic	Homogeneous		97% Mastic	3% Chrysotile
		Black			
		Non-fibrous Bound			
EC083018-64 B101727	Mastic	Homogeneous		97% Mastic	3% Chrysotile
		Black			
		Non-fibrous Bound			

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous		Non-Fibrous		
EC083018-65 B101728	Floor Tile	Homogeneous Gray,Blue Non-fibrous Bound			100%	Vinyl	None Detected
EC083018-66 B101729	Floor Tile	Homogeneous Gray,Blue Non-fibrous Bound			100%	Vinyl	None Detected
EC083018-67 B101730	Floor Tile	Homogeneous Gray,Blue Non-fibrous Bound			100%	Vinyl	None Detected
EC083018-68 B101731	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
EC083018-69 B101732	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
EC083018-70 B101733	Mastic	Homogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
EC083018-71 B101734	Fiberboard	Homogeneous Tan Fibrous Loosely Bound	90%	Cellulose	10%	Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC083018-72 B101735	Fiberboard	Homogeneous Tan Fibrous Loosely Bound	90%	Cellulose	10%	Binder	None Detected
EC083018-73 B101736	Fiberboard	Homogeneous Tan Fibrous Loosely Bound	90%	Cellulose	10%	Binder	None Detected
EC083018-74 B101737	Stair Tread	Homogeneous Olive Non-fibrous Bound			100%	Vinyl	<1% Chrysotile
EC083018-75 B101738	Stair Tread	Homogeneous Olive Non-fibrous Bound			100%	Vinyl	<1% Chrysotile
EC083018-76 B101739	Stair Tread	Homogeneous Olive Non-fibrous Bound			100%	Vinyl	<1% Chrysotile
EC083018-77 B101740	Mastic	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC083018-78 B101741	Mastic	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

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			Fibrous		Non-Fibrous		
EC083018-79 B101742	Mastic	Homogeneous Black Non-fibrous Bound			100%	Mastic	None Detected
EC083018-80 B101743	Counter Top	Heterogeneous Brown Fibrous Tightly Bound	60%	Cellulose	20%	Vinyl Binder	None Detected
EC083018-81 B101744	Counter Top	Heterogeneous Brown Fibrous Tightly Bound	60%	Cellulose	20%	Vinyl Binder	None Detected
EC083018-82 B101745	Counter Top	Heterogeneous Brown Fibrous Tightly Bound	60%	Cellulose	20%	Vinyl Binder	None Detected
EC083018-83 B101746	Floor Tile	Homogeneous Blue Non-fibrous Bound			100%	Vinyl	None Detected
EC083018-84 B101747	Floor Tile	Homogeneous Blue Non-fibrous Bound			100%	Vinyl	None Detected
EC083018-85 B101748	Floor Tile	Homogeneous Blue Non-fibrous Bound			100%	Vinyl	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC083018-86 B101749	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	3% Chrysotile
EC083018-87 B101750	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	3% Chrysotile
EC083018-88 B101751	Mastic	Homogeneous Black Non-fibrous Bound	97%	Mastic	3% Chrysotile
EC083018-89 B101752	Floor Tile	Homogeneous White,Black Non-fibrous Bound	97%	Vinyl	3% Chrysotile
EC083018-90 B101753	Floor Tile	Homogeneous White,Black Non-fibrous Bound	97%	Vinyl	3% Chrysotile
EC083018-91 B101754	Floor Tile	Homogeneous White,Black Non-fibrous Bound	97%	Vinyl	3% Chrysotile
EC083018-92 B101755	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic	None Detected

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			Fibrous	Non-Fibrous	
EC083018-93 B101756	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic	None Detected
EC083018-94 B101757	Mastic	Homogeneous Black Non-fibrous Bound	100%	Mastic	None Detected
EC083018-95 B101758	Stair Tread	Homogeneous Red,Brown Non-fibrous Bound	100%	Vinyl	None Detected
EC083018-96 B101759	Stair Tread	Homogeneous Red,Brown Non-fibrous Bound	100%	Vinyl	None Detected
EC083018-97 B101760	Stair Tread	Homogeneous Red,Brown Non-fibrous Bound	100%	Vinyl	None Detected
EC083018-98 B101761	Mastic	Homogeneous Yellow Non-fibrous Bound	98%	Mastic	2% Chrysotile
EC083018-99 B101762	Mastic	Homogeneous Yellow Non-fibrous Bound	98%	Mastic	2% Chrysotile

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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC083018 -100 B101763	Mastic	Homogeneous Yellow Non-fibrous Bound	98%	Mastic	2% Chrysotile
EC083018 -101 B101764	Window Caulking	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
EC083018 -102 B101765	Window Caulking	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
EC083018 -103 B101766	Window Caulking	Homogeneous White Non-fibrous Bound	100%	Caulk	None Detected
EC083018 -104 B101767	Window Glazing	Homogeneous White Non-fibrous Bound	48% 25% 25%	Binder Calc Carb Silicates	2% Chrysotile
EC083018 -105 B101768	Window Glazing	Homogeneous White Non-fibrous Bound	48% 25% 25%	Binder Calc Carb Silicates	2% Chrysotile
EC083018 -106 B101769	Window Glazing	Homogeneous White Non-fibrous Bound	50% 25% 25%	Binder Calc Carb Silicates	None Detected

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			Fibrous	Non-Fibrous	
EC083018 -107 B101770	Window Caulking	Homogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC083018 -108 B101771	Window Caulking	Homogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC083018 -109 B101772	Window Caulking	Homogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC083018 -110 B101773	Window Caulking	Homogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC083018 -111 B101774	Window Caulking	Homogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC083018 -112 B101775	Window Caulking	Homogeneous Gray Non-fibrous Bound		100% Caulk	None Detected
EC083018 -113 B101776	Door Caulk	Heterogeneous Gray Fibrous Bound	10% Fiberglass	45% Binder 30% Calc Carb 15% Paint	None Detected

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			Fibrous		Non-Fibrous		
EC083018 -114 B101777	Door Caulk	Heterogeneous Gray Fibrous Bound	10%	Fiberglass	45% 30% 15%	Binder Calc Carb Paint	None Detected
EC083018 -115 B101778	Door Caulk	Heterogeneous Gray Fibrous Bound	10%	Fiberglass	45% 30% 15%	Binder Calc Carb Paint	None Detected
EC083018 -116 B101779	Pipe Elbows	Heterogeneous Off-white Fibrous Loosely Bound	40%	Fiberglass	30% 30%	Binder Calc Carb	None Detected
EC083018 -117 B101780	Pipe Elbows	Heterogeneous Off-white Fibrous Loosely Bound	40%	Fiberglass	30% 30%	Binder Calc Carb	None Detected
EC083018 -118 B101781	Pipe Elbows	Heterogeneous Off-white Fibrous Loosely Bound	40%	Fiberglass	30% 30%	Binder Calc Carb	None Detected
EC083018 -119 B101782	Boiler Gasket	Homogeneous White Fibrous Loosely Bound	100%	Fiberglass			None Detected
EC083018 -120 B101783	Boiler Gasket	Homogeneous White Fibrous Loosely Bound	100%	Fiberglass			None Detected

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			Fibrous		Non-Fibrous		
EC083018 -121 B101784	Boiler Gasket	Homogeneous White Fibrous Loosely Bound	100%	Fiberglass			None Detected
EC083018 -122 B101785	Counter Top	Heterogeneous Brown Fibrous Tightly Bound	60%	Cellulose	20% 20%	Vinyl Binder	None Detected
EC083018 -123 B101786	Counter Top	Heterogeneous Brown Fibrous Tightly Bound	60%	Cellulose	20% 20%	Vinyl Binder	None Detected
EC083018 -124 B101787	Counter Top	Heterogeneous Brown Fibrous Tightly Bound	60%	Cellulose	20% 20%	Vinyl Binder	None Detected
EC083018 -125 B101788	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	50% 20%	Cellulose Fiberglass	25% 5%	Perlite Paint	None Detected
EC083018 -126 B101789	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	50% 20%	Cellulose Fiberglass	25% 5%	Perlite Paint	None Detected
EC083018 -127 B101790	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	50% 20%	Cellulose Fiberglass	25% 5%	Perlite Paint	None Detected

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			Fibrous		Non-Fibrous		
EC083018 -128 B101791	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	5% 80%	Vinyl Gypsum	None Detected
EC083018 -129 B101792	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	5% 80%	Vinyl Gypsum	None Detected
EC083018 -130 B101793	Ceiling Tile	Heterogeneous White Fibrous Loosely Bound	15%	Cellulose	5% 80%	Vinyl Gypsum	None Detected
EC083018 -131 B101794	Cement	Heterogeneous White,Gray Non-fibrous Tightly Bound			75% 22% 3%	Silicates Binder Paint	None Detected
EC083018 -132 B101795	Cement	Heterogeneous White,Gray Non-fibrous Tightly Bound			75% 22% 3%	Silicates Binder Paint	None Detected
EC083018 -133 B101796	Cement	Heterogeneous White,Gray Non-fibrous Tightly Bound			75% 22% 3%	Silicates Binder Paint	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

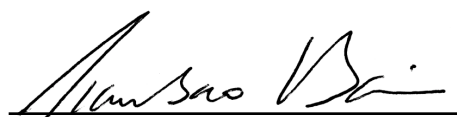
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST:


Danielle Carrier

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director



B188333 (132)
B101665-B101796
CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #: 27427		Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.		Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500		Project Name: <i>White Swan Pre Demo</i>
Chicago, IL 60607		Project ID# <i>A139670124</i>
Email:		PO #:
Tel: 312-762-2920 Fax: 312.782.5145		STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS		
POSITIVE STOP ANALYSIS	☐	PLM DUE DATE: / /
ANALYZE NOB'S BY TEM	☐	TEM DUE DATE: / /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☐	☒	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@caltld.com

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Evan Christian</i>	<i>9/10/18 11:00 AM</i>	<i>MSV</i>	<i>9/11 9:50</i>

Samples will be disposed of 30 days after analysis



COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact: <u>Evan Christian</u>
Project Name: <u>RPS Pre Demo - White Swan</u>	
Project ID #: <u>A139670124</u>	Tel: <u>312-296-1287</u>

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
EC083018-01	9x9 Floor Tile - Light 1st Fl. Hall		PLM ☐	TEM ☐
02	Brown Gym		PLM ☐	TEM ☐
03	↓ 201		PLM ☐	TEM ☐
04	Black Mastic beneath		PLM ☐	TEM ☐
05	Light Brown		PLM ☐	TEM ☐
06	↓ Floor Tile		PLM ☐	TEM ☐
07	Yellow Carpet Glue main Office		PLM ☐	TEM ☐
08	↓		PLM ☐	TEM ☐
09	↓ Library		PLM ☐	TEM ☐
10	4" Black Baseboard		PLM ☐	TEM ☐
11	↓		PLM ☐	TEM ☐
12	↓		PLM ☐	TEM ☐
13	Glue Behind Black		PLM ☐	TEM ☐
14	Baseboard		PLM ☐	TEM ☐
15	↓		PLM ☐	TEM ☐
16	Hard Pipe Joint Insulation main Office		PLM ☐	TEM ☐
17	on Fiberglass Pipe 1st Fl. Hall		PLM ☐	TEM ☐
18	↓ Runs Kitchen		PLM ☐	TEM ☐
19	12x12 Floor Tile w Stair		PLM ☐	TEM ☐
20	Black + White 1st East Corridor		PLM ☐	TEM ☐
21	↓ 111		PLM ☐	TEM ☐
22	Mastic beneath		PLM ☐	TEM ☐
23	↓ Black + White		PLM ☐	TEM ☐
24	↓ Floor Tile		PLM ☐	TEM ☐
25	Drywall Copy		PLM ☐	TEM ☐
26	↓ 202		PLM ☐	TEM ☐
27	↓ Art Rm		PLM ☐	TEM ☐
28	Drywall Joint Compound Copy		PLM ☐	TEM ☐
29	↓ 202		PLM ☐	TEM ☐
30	↓ Art Rm		PLM ☐	TEM ☐

COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name: <i>White Swan</i>	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
EC083018-31	Tectum Ceiling Panels <i>Art Stn</i>		PLM	☐	TEM	☐
32	<i>Gym</i>		PLM	☐	TEM	☐
33	↓		PLM	☐	TEM	☐
34	Red Terrazzo <i>1st Floor West Bathrooms</i>		PLM	☐	TEM	☐
35	↓		PLM	☐	TEM	☐
36	↓		PLM	☐	TEM	☐
37	9x9 Floor Tile - <i>1st Corridor</i>		PLM	☐	TEM	☐
38	Redish Brown <i>109</i>		PLM	☐	TEM	☐
39	↓ <i>2nd Corridor</i>		PLM	☐	TEM	☐
40	Black Mastic beneath		PLM	☐	TEM	☐
41	Redish Brown Floor Tile		PLM	☐	TEM	☐
42	↓		PLM	☐	TEM	☐
43	12x12 Floor Tile - Tan, <i>Kitchen</i>		PLM	☐	TEM	☐
44	Brown, White		PLM	☐	TEM	☐
45	↓		PLM	☐	TEM	☐
46	White Laminate Black		PLM	☐	TEM	☐
47	Counter Top <i>Mastic on Floor Tiles</i>		PLM	☐	TEM	☐
48	↓		PLM	☐	TEM	☐
49	12x12 Floor Tiles -		PLM	☐	TEM	☐
50	Gray + Black		PLM	☐	TEM	☐
51	↓		PLM	☐	TEM	☐
52	Mastic beneath		PLM	☐	TEM	☐
53	Gray + Black Floor		PLM	☐	TEM	☐
54	↓ Tiles		PLM	☐	TEM	☐
55	Plaster Plaster <i>Door E</i>		PLM	☐	TEM	☐
56	↓ <i>Hard Coat</i>		PLM	☐	TEM	☐
57	↓		PLM	☐	TEM	☐
58	↓		PLM	☐	TEM	☐
59	12x12 Floor Tiles - <i>1st Hall E</i>		PLM	☐	TEM	☐
60	Red <i>2nd Hall E</i>		PLM	☐	TEM	☐
61	↓ <i>211</i>		PLM	☐	TEM	☐

EC083018-55 Not Submitted

Page ____ of ____

COMPANY CONTACT INFORMATION

Company: Carnow Conibear

Job Contact:

Project Name: White Swan

Project ID #:

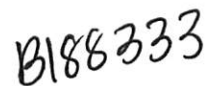
Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
EC083018-	62	Mastic beneath	PLM	☐	TEM	☐
	63	Red Floor Tiles	PLM	☐	TEM	☐
	64	↓	PLM	☐	TEM	☐
	65	12x12 Floor Tiles- 1st Fl. East Hall	PLM	☐	TEM	☐
	66	Blue	PLM	☐	TEM	☐
	67	↓	PLM	☐	TEM	☐
	68	Tan Mastic beneath	PLM	☐	TEM	☐
	69	Blue Floor Tiles	PLM	☐	TEM	☐
	70	↓	PLM	☐	TEM	☐
	71	Fiberboard Sound Library	PLM	☐	TEM	☐
	72	↓ Panels	PLM	☐	TEM	☐
	73	↓	PLM	☐	TEM	☐
	74	Olive Laminate	PLM	☐	TEM	☐
	75	↓ Stair Treads	PLM	☐	TEM	☐
	76	↓	PLM	☐	TEM	☐
	77	Mastic beneath	PLM	☐	TEM	☐
	78	↓ Stair Treads	PLM	☐	TEM	☐
	79	↓	PLM	☐	TEM	☐
	80	Wood Grain Laminate Library upper/	PLM	☐	TEM	☐
	81	↓ Counter top Workshop	PLM	☐	TEM	☐
	82	↓	PLM	☐	TEM	☐
	83	12x12 Floor Tiles- 209	PLM	☐	TEM	☐
	84	↓ Light + Dark Blue	PLM	☐	TEM	☐
	85	↓	PLM	☐	TEM	☐
	86	Mastic beneath	PLM	☐	TEM	☐
	87	↓ Light + Dark Blue	PLM	☐	TEM	☐
	88	↓ Floor Tiles	PLM	☐	TEM	☐
	89	12x12 Floor Tiles- 2nd Fl SW Workshop	PLM	☐	TEM	☐
	90	↓ White w/Black Spots	PLM	☐	TEM	☐
	91	↓	PLM	☐	TEM	☐

COMPANY CONTACT INFORMATION

Company: Carnow Conibear	Job Contact:
Project Name: <i>White Swan</i>	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
<i>EC083018 - 92</i>	<i>Mastic beneath</i>		PLM	☐	TEM	☐
<i>93</i>	<i>White w/ Black</i>		PLM	☐	TEM	☐
<i>94</i>	<i>Flour Tiles</i>		PLM	☐	TEM	☐
<i>95</i>	<i>Red Marble floor 2nd Fl.</i>		PLM	☐	TEM	☐
<i>96</i>	<i>Stair Tread Tile SW Workroom</i>		PLM	☐	TEM	☐
<i>97</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>98</i>	<i>Thin Mastic beneath</i>		PLM	☐	TEM	☐
<i>99</i>	<i>red Stair tread</i>		PLM	☐	TEM	☐
<i>100</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>101</i>	<i>Interior Window Caulk office</i>		PLM	☐	TEM	☐
<i>102</i>	<i>↓ 104</i>		PLM	☐	TEM	☐
<i>103</i>	<i>↓ 107</i>		PLM	☐	TEM	☐
<i>104</i>	<i>Exterior Window Glazing</i>		PLM	☐	TEM	☐
<i>105</i>	<i>Gray/White</i>		PLM	☐	TEM	☐
<i>106</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>107</i>	<i>Gray Exterior Window</i>		PLM	☐	TEM	☐
<i>108</i>	<i>Caulk</i>		PLM	☐	TEM	☐
<i>109</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>110</i>	<i>Exterior Gray Univalent</i>		PLM	☐	TEM	☐
<i>111</i>	<i>↓ Caulk</i>		PLM	☐	TEM	☐
<i>112</i>	<i>↓ Gray</i>		PLM	☐	TEM	☐
<i>113</i>	<i>White Exterior Door</i>		PLM	☐	TEM	☐
<i>114</i>	<i>↓ Caulk</i>		PLM	☐	TEM	☐
<i>115</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>116</i>	<i>Hard Elbows on Fiberglass Pipe</i>		PLM	☐	TEM	☐
<i>117</i>	<i>↓ Breaching Insulation Breaching</i>		PLM	☐	TEM	☐
<i>118</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>119</i>	<i>Boiler Gaskets</i>		PLM	☐	TEM	☐
<i>120</i>	<i>↓</i>		PLM	☐	TEM	☐
<i>121</i>	<i>↓</i>		PLM	☐	TEM	☐



COMPANY CONTACT INFORMATION

[illegible]

September 25, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: White Swan Pre Demo; A139670124
CEI LAB CODE: A1811175

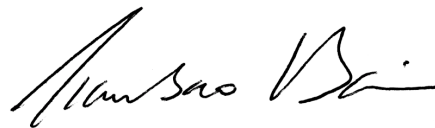
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 24, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: White Swan Pre Demo; A139670124

LAB CODE: A1811175

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/25/18

TOTAL SAMPLES ANALYZED: 9

SAMPLES >1% ASBESTOS: 3

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: White Swan Pre Demo; A139670124

LAB CODE: A1811175

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
ECO9218-01		A116912	Black,White	Roof Field	None Detected
ECO9218-02		A116913	Black,White	Roof Field	None Detected
ECO9218-03		A116914	Black,White	Roof Field	None Detected
ECO9218-04		A116915	Black,White	Roof Flashing	None Detected
ECO9218-05		A116916	Black,White	Roof Flashing	None Detected
ECO9218-06		A116917	Black,White	Roof Flashing	None Detected
ECO9218-07		A116918	Black	Roof Field	Chrysotile 10%
ECO9218-08		A116919	Black	Roof Field	Chrysotile 10%
ECO9218-09		A116920	Black	Roof Field	Chrysotile 10%

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811175
Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

Project: White Swan Pre Demo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO9218-01 A116912	Roof Field	Heterogeneous	50%	Cellulose	35%	Foam	None Detected
		Black,White	10%	Fiberglass	5%	Mastic	
		Fibrous					
		Loosely Bound					
ECO9218-02 A116913	Roof Field	Heterogeneous	50%	Cellulose	35%	Foam	None Detected
		Black,White	10%	Fiberglass	5%	Mastic	
		Fibrous					
		Loosely Bound					
ECO9218-03 A116914	Roof Field	Heterogeneous	50%	Cellulose	35%	Foam	None Detected
		Black,White	10%	Fiberglass	5%	Mastic	
		Fibrous					
		Loosely Bound					
ECO9218-04 A116915	Roof Flashing	Heterogeneous	20%	Cellulose	40%	Rubber	None Detected
		Black,White	5%	Fiberglass	5%	Mastic	
		Fibrous	5%	Synthetic Fiber	25%	Foam	
		Loosely Bound					
ECO9218-05 A116916	Roof Flashing	Heterogeneous	20%	Cellulose	40%	Rubber	None Detected
		Black,White	5%	Fiberglass	5%	Mastic	
		Fibrous	5%	Synthetic Fiber	25%	Foam	
		Loosely Bound					
ECO9218-06 A116917	Roof Flashing	Heterogeneous	20%	Cellulose	40%	Rubber	None Detected
		Black,White	5%	Fiberglass	5%	Mastic	
		Fibrous	5%	Synthetic Fiber	25%	Foam	
		Loosely Bound					
ECO9218-07 A116918	Roof Field	Heterogeneous	10%	Cellulose	45%	Tar	10% Chrysotile
		Black			35%	Gravel	
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811175
Date Received: 09-24-18
Date Analyzed: 09-24-18
Date Reported: 09-25-18

Project: White Swan Pre Demo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
ECO9218-08 A116919	Roof Field	Heterogeneous	10%	Cellulose	45%	Tar	10% Chrysotile
		Black			35%	Gravel	
		Fibrous					
		Bound					
ECO9218-09 A116920	Roof Field	Heterogeneous	10%	Cellulose	55%	Tar	10% Chrysotile
		Black			25%	Gravel	
		Fibrous					
		Bound					

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

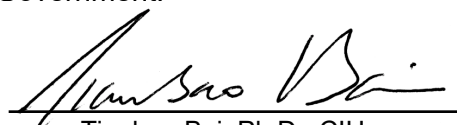
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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ANALYST:


 Greg Ruff

APPROVED BY:


 Tianbao Bai, Ph.D., CIH
 Laboratory Director



A1811175 (9)
A116912-A116920
CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code: A1811175 (9)

CEI Lab I.D. Range: ~~A11~~ A116912-A116920

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #: 27427		Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.		Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500		Project Name: White Swan Pre Demo
Chicago, IL 60607		Project ID# A139670129
Email:		PO #:
Tel: 312-762-2920 Fax: 312.782.5145		STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS		
POSITIVE STOP ANALYSIS	☐	PLM DUE DATE: / /
ANALYZE NOB'S BY TEM	☐	TEM DUE DATE: / /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☐	☒	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@ccltd.com			☒ Accept Samples ☐ Reject Samples
Relinquished By:	Date/Time	Received By:	Date/Time
Evan/John	9/21/18 11:00AM	CS	9/24 9:10

Samples will be disposed of 30 days after analysis



COMPANY CONTACT INFORMATION

Job Contact: Erin L. Johnson

Tel: 312-246-1287

Page _____ of _____

October 3, 2018

Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

CLIENT PROJECT: White Swan PreDemo; A139670124
CEI LAB CODE: A1811910

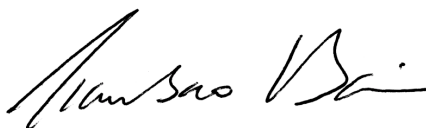
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 3, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Carnow, Conibear & Assoc., Ltd.

CLIENT PROJECT: White Swan PreDemo; A139670124

LAB CODE: A1811910

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/03/18

TOTAL SAMPLES ANALYZED: 9

SAMPLES >1% ASBESTOS: 3

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: White Swan PreDemo; A139670124

LAB CODE: A1811910

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
EC100118A-01		A129716	Tan	Adhesive	None Detected
EC100118A-02		A129717	Tan	Adhesive	None Detected
EC100118A-03		A129718	Tan	Adhesive	None Detected
EC100118A-04		A129719	White	Leveling Compound	None Detected
EC100118A-05		A129720	White	Leveling Compound	None Detected
EC100118A-06		A129721	White	Leveling Compound	None Detected
EC100118A-07		A129722	Gray	Transite	Chrysotile 20%
EC100118A-08		A129723	Gray	Transite	Chrysotile 20%
EC100118A-09		A129724	Gray	Transite	Chrysotile 20%

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811910
Date Received: 10-03-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: White Swan PreDemo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
EC100118A-01 A129716	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
EC100118A-02 A129717	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
EC100118A-03 A129718	Adhesive	Heterogeneous Tan Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
EC100118A-04 A129719	Leveling Compound	Heterogeneous White Non-fibrous Bound			70% 30%	Calc Carb Binder	None Detected
EC100118A-05 A129720	Leveling Compound	Heterogeneous White Non-fibrous Bound			70% 30%	Calc Carb Binder	None Detected
EC100118A-06 A129721	Leveling Compound	Heterogeneous White Non-fibrous Bound			70% 30%	Calc Carb Binder	None Detected
EC100118A-07 A129722	Transite	Heterogeneous Gray Fibrous Loosely Bound			60% 20%	Binder Calc Carb	20% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Carnow, Conibear & Assoc., Ltd.
600 W Van Buren St Ste 500
Chicago, IL 60607

Lab Code: A1811910
Date Received: 10-03-18
Date Analyzed: 10-03-18
Date Reported: 10-03-18

Project: White Swan PreDemo; A139670124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
EC100118A -08 A129723	Transite	Heterogeneous		60% Binder	20% Chrysotile
		Gray		20% Calc Carb	
		Fibrous			
		Loosely Bound			
EC100118A -09 A129724	Transite	Heterogeneous		60% Binder	20% Chrysotile
		Gray		20% Calc Carb	
		Fibrous			
		Loosely Bound			

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

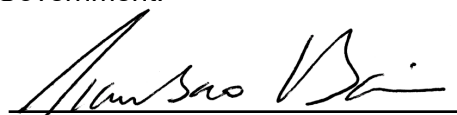
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: 
 Sarah Talley

APPROVED BY: 
 Tianbao Bai, Ph.D., CIH
 Laboratory Director



CHAIN OF CUSTODY

730 SE Maynard Rd, Cary, NC 27511
Tel: 919-481-1413 Fax: 919-481-1442

LAB USE ONLY:**CEI Lab Code:****CEI Lab I.D. Range:**

A1811910 (9)
A129716 A129724

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #: 27427		Job Contact: Evan Christian
Company: CARNOW, CONIBEAR & ASSOC.		Email / Tel: 312-296-1287
Address: 600 W. Van Buren St., Ste 500		Project Name: <i>White Swan PreDemo</i>
Chicago, IL 60607		Project ID# <i>A139670124</i>
Email:		PO #:
Tel: 312-762-2920 Fax: 312.782.5145		STATE SAMPLES COLLECTED IN: IL

GENERAL INSTRUCTIONS		
POSITIVE STOP ANALYSIS	☐	PLM DUE DATE: / /
ANALYZE NOB'S BY TEM	☐	TEM DUE DATE: / /

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR AHERA	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR NIOSH	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS: Please email results to echristian@caltld.com			☒ Accept Samples ☐ Reject Samples
Relinquished By:	Date/Time	Received By:	Date/Time
<i>Evan Christian</i>	<i>10/1/18 1:00pm</i>	<i>W</i>	<i>10/3 9:20</i>

Samples will be disposed of 30 days after analysis



**CARNOW
CONIBEAR**

Company: Carnow Conibear	Job Contact:
Project Name: <i>White Swan Pre.Demo</i>	
Project ID #: <i>A139670124</i>	Tel:

[illegible]

ATTACHMENT B

Evan Christian

Illinois Licensed Building Inspector, Project Manager, Air
Sampling Professional and Management Planner



ASBESTOS PROFESSIONAL LICENSE

ID NUMBER

100 - 19466

ISSUED

3/15/2018

EXPIRES

05/15/2019

EVAN I CHRISTIAN

600 W VAN BUREN ST., STE 5
CHICAGO, IL 60607

Environmental Health



ENDORSEMENTS

TC EXPIRES

INSPECTOR

11/28/2018

MANAGEMENT PLANNER

1/5/2019

PROJECT MANAGER

12/5/2018

AIR SAMPLING PROFESSIONAL

Alteration of this license shall result in legal action

This license issued under authority of the State of Illinois
Department of Public Health

This license is valid only when accompanied by a valid
training course certificate.

2017



OCCUPATIONAL TRAINING & SUPPLY, INC.

7233 S. Adams Street ♦ Willowbrook, IL 60527 ♦ (630) 655-3900 ♦ www.otssafety.com

Asbestos Building Inspector Refresher

Occupational Training & Supply, Inc. certifies that

Evan Christian

has successfully completed the Asbestos Building Inspector Refresher course and has passed the competency exam with a minimum score of 70%. The course is accredited by the Illinois Department of Public Health and Indiana Department of Environmental Management for purposes of accreditation in accordance with EPA 40 CFR 763, Asbestos Hazard Emergency response Act (AHERA) and TSCA Title II.

Course Date: 11/28/2017

Exam Date: 11/28/2017

Expiration Date: 11/28/2018

Certificate Number: BIR1711284928

Kathy DeSalvo, Director